

REDACTED

L8000 38

United States Environmental Protection Agency
Region 4



35TH AVENUE REMOVAL INVESTIGATION
BIRMINGHAM, ALABAMA
JEFF CROWLEY, ON-SCENE COORDINATOR

FIELD SAMPLING LOGBOOK

Book 1 of 1

Inclusive Dates: 1/28/13 - 1/31/13

List of Sampling Team in logbook:

Name	Initials	Organization/Duties
(b) (6)	AD	AES, Team Leader
	BB	OTIE

THIS PAGE LEFT INTENTIONALLY BLANK

Sampling Procedures and Methodology

Unless specified elsewhere in this logbook, all soil samples will be collected in accordance with the EPA Science and Ecosystem Division (SESD) Field Branches Quality System and Technical Procedures (FBQSTP) Soil Sampling (SESDPROC-300-R2) based on the following design.

The total number of 5-point composite surface soil samples (0-4 inches below ground surface) to be collected from each property will be based on the lot size as follows:

- For residential properties with a total parcel lot size equal to or less than (\leq) 5,000 square feet - the front yard and back yards of each property. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may also be collected from the side yard. Aliquots will be collected away from influences with drip lines and burn areas in a five dice configuration (each of the four corners and the center).
- For residential properties with a total parcel lot size greater than ($>$) 5,000 square feet and $\leq \frac{1}{4}$ -acre - the property should be divided into two roughly equal surface areas. If the property has a substantial side yard (primarily corner lots), then one composite soil sample may be collected from the side yard with the remainder of the property being divided into two roughly equal surface areas. Aliquots will be collected away from influences including drip lines and burn areas with reasonably equal spacing between aliquots.
- Residential properties over $\frac{1}{4}$ -acre in parcel lot size will be divided into $\frac{1}{4}$ -acre sections. When dividing any such property with a substantial side yard (primarily corner lots), one composite soil sample may be collected from the side yard. Aliquots will be collected away from influences including drip lines and burn areas in a five dice configuration, if possible, with reasonably equal spacing between aliquots.

Grab surface soil samples will be collected from apparent exposure pathways where active play sets are located.

Three-point composite surface soil samples will be collected from distinct vegetable gardens from each residential property.

Samples shall not be collected under paved areas or under stationary fixed structures.

Grab sediment samples will be collected in accordance with EPA SESD FBSTP Sediment Sampling (SESDPROC-200-R2) from any surface water drainage pathways located on individual properties, as directed by the OSC, and in and along the banks of the 34th Street North Ditch.

Each surface soil or sediment sample should be homogenized in a stainless steel bowl. One 8-ounce jar will be filled and the remaining sample material will be placed in zip-top bags for screening. Information identifying the location, sample, and date/time will be inscribed on each jar and zip-top bag.

All sample bags will be screened for metals in accordance with SESD FBQSTP Field XRF Measurement (SESDPROC-107-R2) using a Niton XRF. The sample will be dried before sieving or analysis is performed. Once the sample has dried, the sample will be divided into two subsamples; one subsample will be sieved through a #10 screen (2 mm) and the other will be left unsieved. Once separated into sieved and unsieved samples, the zip-top bag will be compressed by folding over the excess plastic and removing as much air and space from the sample as possible. The XRF will be placed directly on the exterior of the compressed sample in the plastic zip-top bag to measure metals concentrations. Following XRF screening, the unsieved portion of the sample material will be containerized into one 8-ounce jars and the sieved portion of the sample will be containerized into another 8-ounce jar.

THIS PAGE LEFT INTENTIONALLY BLANK

Based on the site DQOs the 8-ounce jars of surface soil and sediment samples should be submitted to PEL, Tampa, Florida (a NELAC certified laboratory) for low level PAH, and/or TCL SVOC, RCRA metals, PCB, and/or Hexavalent Chromium analysis. RCRA metals will be analyzed from both the sieved and unsieved portions of the sample. All other analysis will be conducted on the unsieved portion.

The location of each aliquot will also be logged in accordance with SESD FBQSTP Global Positioning System (SESDPROC- 110-R3) using a Trimble GPS..

A description of the color and texture of the aliquot material will be recorded in each box.

The **station ID** for each location will consist of seven characters, beginning with the six digit Property ID designation for the property followed by a alphabetic letter beginning with "A".

e.g. CV0001A would be the station ID for the front yard 5-pt composite sample collected at the property with Property ID CV0001.

The **sample ID** for each sample is the station ID with "CS" (composite soil), "GS" (grab soil), "SD" (sediment), or "SW" (surface water) appended, therefore, the sample ID for this sample would be CV0001A-CS. Co-located duplicates will be designated by appending a "D" to the end of the sample ID. Pan splits will be identified by appending an "SP" to the end of the sample ID.

(b) (6)

ADDRESS

PROPERTY ID:

CV0242

DATE: 1/28/13

ARRIVAL TIME: 1321

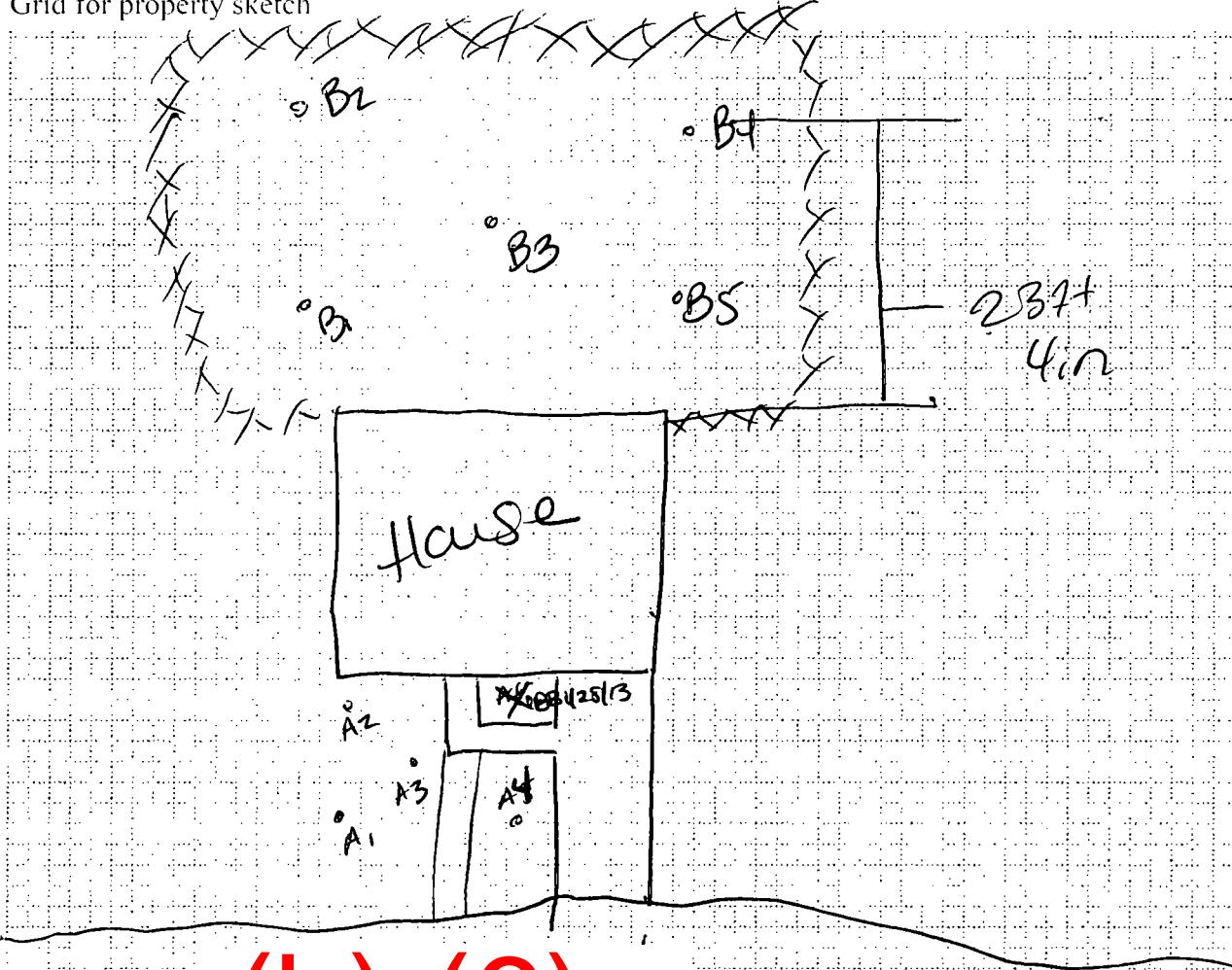
Other pertinent information (weather conditions, etc.):

Sunny, 66°F

PROPERTY COMMENTS:

Resident Home
w/ (b) (6) legal team

Grid for property sketch



(b) (6)

STATION ID: CV0242A

SAMPLE ID: CV0242A-CS-SP

SAMPLE COLLECTION TIME: 1338

Description of sample location (front, back, side yard) vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0242A

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	<u>018594</u>	Logged?	<input checked="" type="checkbox"/> Y or <u>N</u>
Aliquot #1:	Latitude:	<u>33.55467504</u>	N Longitude	<u>86.80287181</u> W
	Media description:	<u>DK brown silt</u>		
Aliquot #2:	Latitude:	<u>33.5546758</u>	N Longitude	<u>86.80291835</u> W
	Media description:	<u>DK brown Silt</u>		
Aliquot #3:	Latitude:	<u>33.55470680</u>	N Longitude	<u>86.80290609</u> W
	Media description:	<u>DK brown Silt</u>		
Aliquot #4:	Latitude:		N Longitude	
	Media description:			
Aliquot #5:	Latitude:	<u>33.55474384</u>	N Longitude	<u>86.80287859</u> W
	Media description:	<u>DK brown Silt</u>		

STATION ID: CV0242B

SAMPLE ID: CV0242B-CS-SP

SAMPLE COLLECTION TIME: 1342

Description of sample location (front, back, side yard) vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0242B

GPS Coordinates:	Trimble <input checked="" type="checkbox"/> Instrument #:	<u>018594</u>	Logged?	<input checked="" type="checkbox"/> Y or <u>N</u>
Aliquot #1:	Latitude:	<u>33.55470271</u>	N Longitude	<u>86.80312833</u> W
	Media description:	<u>DK brown silt</u>		
Aliquot #2:	Latitude:	<u>33.55471684</u>	N Longitude	<u>86.80318965</u> W
	Media description:	<u>DK brown Silt</u>		
Aliquot #3:	Latitude:	<u>33.55478094</u>	N Longitude	<u>86.80315370</u> W
	Media description:	<u>DK brown silt</u>		
Aliquot #4:	Latitude:	<u>33.55477591</u>	N Longitude	<u>86.80318005</u> W
	Media description:	<u>DK brown Silt</u>		
Aliquot #5:	Latitude:	<u>33.55478163</u>	N Longitude	<u>86.80312819</u> W
	Media description:	<u>DK brown Silt w/ Coal fragments</u>		

(b) (6)

ADDRESS: _____ PROPERTY ID: HPO038

DATE: 1/28/13 ARRIVAL TIME: 1421

Other pertinent information (weather conditions, etc.):

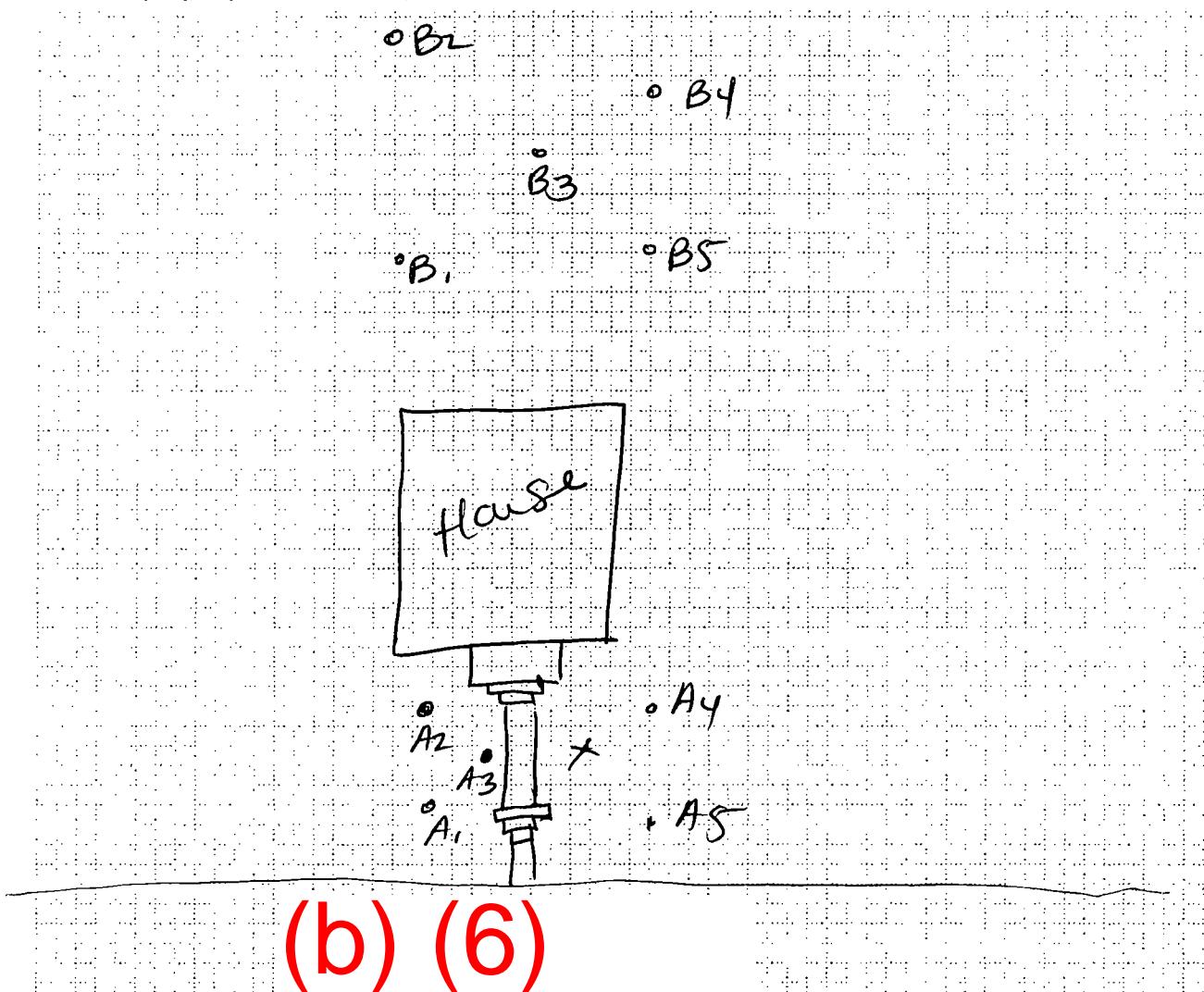
Sunny, 66°F

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal team

Grid for property sketch



STATION ID: HP0038A

SAMPLE ID: HP0038A-CS-SP

SAMPLE COLLECTION TIME: 1429

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0038A

GPS Coordinates: Trimble Instrument #: 018594 Logged? Y or N
Aliquot #1: Latitude: 33.56407553 N Longitude 86.79643229 W
Media description: DK brwn / brwn silt
Aliquot #2: Latitude: 33.56405558 N Longitude 86.79643378 W
Media description: DK brwn / brwn silt
Aliquot #3: Latitude: 33.56406957 N Longitude 86.79645675 W
Media description: DK brwn / brwn silt
Aliquot #4: Latitude: 33.56406403 N Longitude 86.79651254 W
Media description: DK brwn / brwn silt
Aliquot #5: Latitude: 33.56408363 N Longitude 86.79650815 W
Media description: Brwn silt w/ piece size gravel

STATION ID: HP0038B

SAMPLE ID: HP0038B-CS-SP

SAMPLE COLLECTION TIME: 1433

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0038B

GPS Coordinates: Trimble Instrument #: 018594 Logged? Y or N
Aliquot #1: Latitude: 33.56384142 N Longitude 86.79646104 W
Media description: DK brwn / brwn silt
Aliquot #2: Latitude: 33.56374649 N Longitude 86.79643937 W
Media description: DK brwn / brwn silt
Aliquot #3: Latitude: 33.56381243 N Longitude 86.79649023 W
Media description: DK brwn / brwn silt
Aliquot #4: Latitude: 33.56378177 N Longitude 86.79652951 W
Media description: DK brwn / brwn silt
Aliquot #5: Latitude: 33.56384102 N Longitude 86.79651060 W
Media description: DK brwn / brwn silt

(b) (6)

ADDRESS: _____ PROPERTY ID: HPC093
DATE: 1/28/13 ARRIVAL TIME: 1447

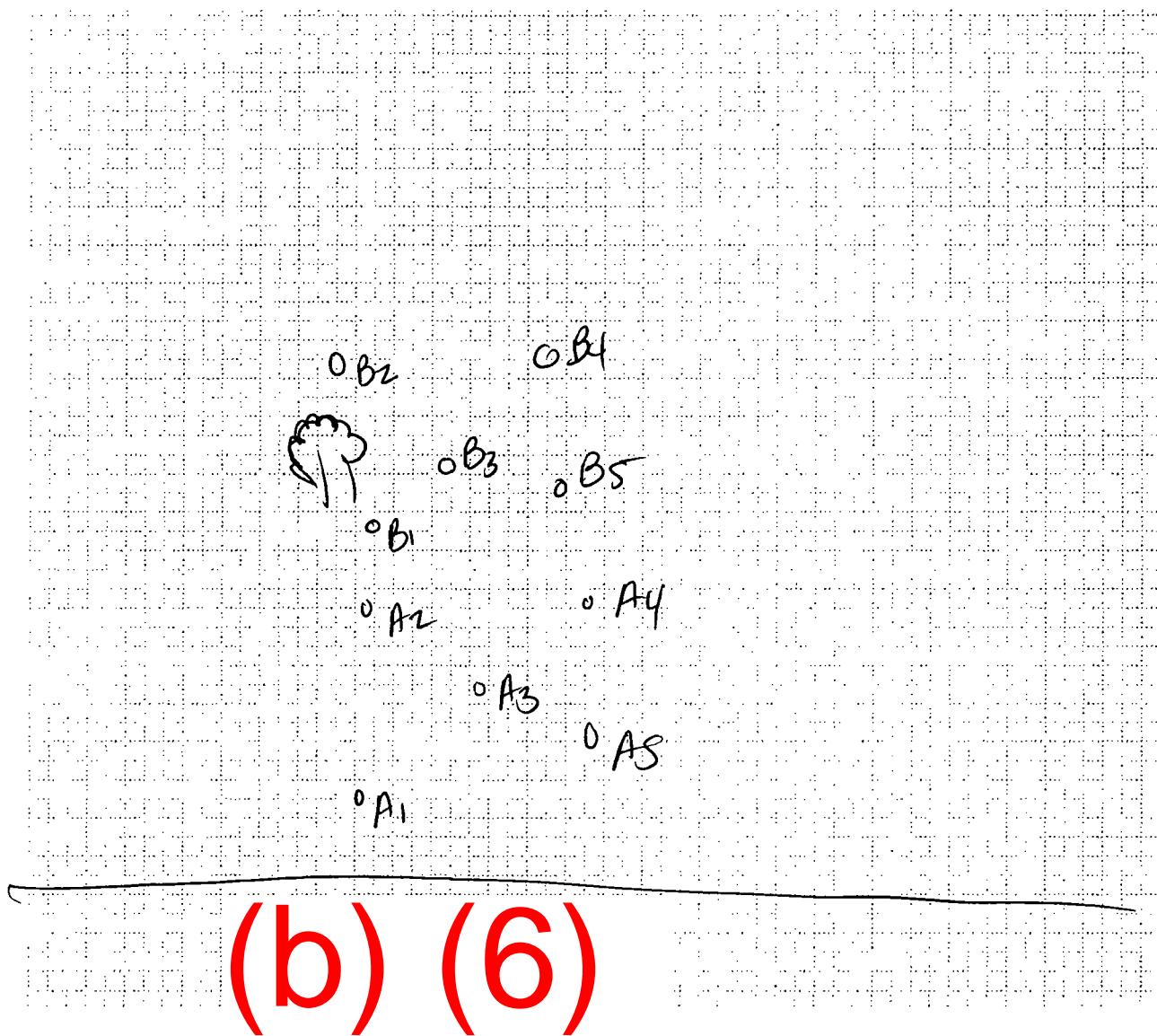
Other pertinent information (weather conditions, etc.):

Sunny, 68°F

PROPERTY COMMENTS:

Vacant lot
w/ (b) (6) legal team

Grid for property sketch



(b) (6)

STATION ID: HP0093A

SAMPLE ID: HP0093A-CS-SP

SAMPLE COLLECTION TIME: 1451

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

HP0093A

GPS Coordinates: Trimble [] Instrument #: 018594 Logged? Y or N
Aliquot #1: Latitude: 33.56489377 N Longitude 86.79465935 W
Media description: DK brun Si/H
Aliquot #2 Latitude: 33.56480878 N Longitude 86.79465305 W
Media description: DK brun Si/H
Aliquot #3: Latitude: 33.56484579 N Longitude 86.79469917 W
Media description: DK brun Si/H
Aliquot #4: Latitude: 33.56479994 N Longitude 86.79473661 W
Media description: DK brun Si/H
Aliquot #5: Latitude: 33.56491317 N Longitude 86.79472976 W
Media description: DK brun Si/H

STATION ID: HP0093B

SAMPLE ID: HP0093B-CS-SP

SAMPLE COLLECTION TIME: 1455

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

HP0093B

GPS Coordinates: Trimble [] Instrument #: 018594 Logged? Y or N
Aliquot #1: Latitude: 33.56471395 N Longitude 86.79464838 W
Media description:
Aliquot #2 Latitude: 33.56457760 N Longitude 86.79468440 W
Media description:
Aliquot #3: Latitude: 33.56467472 N Longitude 86.79469495 W
Media description:
Aliquot #4: Latitude: 33.56459969 N Longitude 86.79473800 W
Media description: DK brun Si/H w/ minor gravel & coal fragments
Aliquot #5: Latitude: 33.56472490 N Longitude 86.79473971 W
Media description:

(b) (6)

ADDRESS:

PROPERTY ID: HPOORP

DATE: 1/28/12

ARRIVAL TIME: 1530

Other pertinent information (weather conditions, etc.):

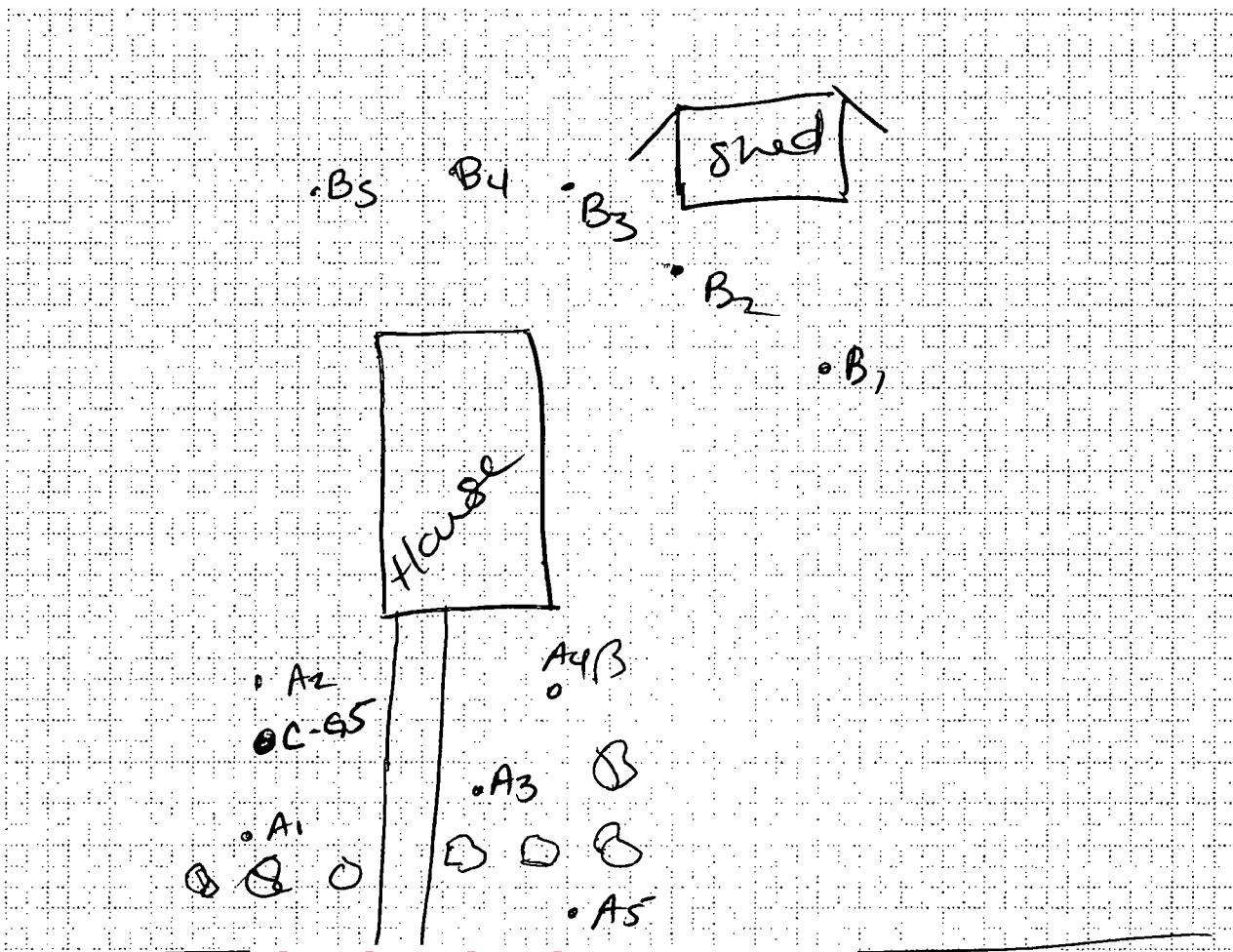
67°F, Sunny

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal team

Grid for property sketch



(b) (6)

STATION ID: HP0098A

SAMPLE ID: HP0098A-CS-SP

SAMPLE COLLECTION TIME: 1538

Description of sample location (front, back, side, yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0098A

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.56502580 N Longitude 86.79434562 W

Media description: DK brown/blk silt w/ coal fragments

Aliquot #2: Latitude: 33.56505961 N Longitude 86.79435318 W

Media description: DK brown/blk silt w/ coal fragments

Aliquot #3: Latitude: 33.56505023 N Longitude 86.79429097 W

Media description: DK brown/blk silt w/ coal fragments

Aliquot #4: Latitude: 33.56506449 N Longitude 86.79427643 W

Media description: DK brown/blk silt w/ coal fragments

Aliquot #5: Latitude: 33.56500966 N Longitude 86.79428412 W

Media description: DK brown silt

STATION ID: HP0098B

SAMPLE ID: HP0098B-CS-SP

SAMPLE COLLECTION TIME: 1541

Description of sample location (front, back, side, yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0098B

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.56523617 N Longitude 86.79423285 W

Media description: DK brown silt w/ coal fragments

Aliquot #2: Latitude: 33.56531700 N Longitude 86.79423278 W

Media description: DK brown silt w/ coal fragment

Aliquot #3: Latitude: 33.56534747 N Longitude 86.79427121 W

Media description: DK brown silt w/ coal fragments

Aliquot #4: Latitude: 33.56537052 N Longitude 86.79430220 W

Media description: DK brown silt

Aliquot #5: Latitude: 33.56536825 N Longitude 86.79434551 W

Media description: DK brown silt

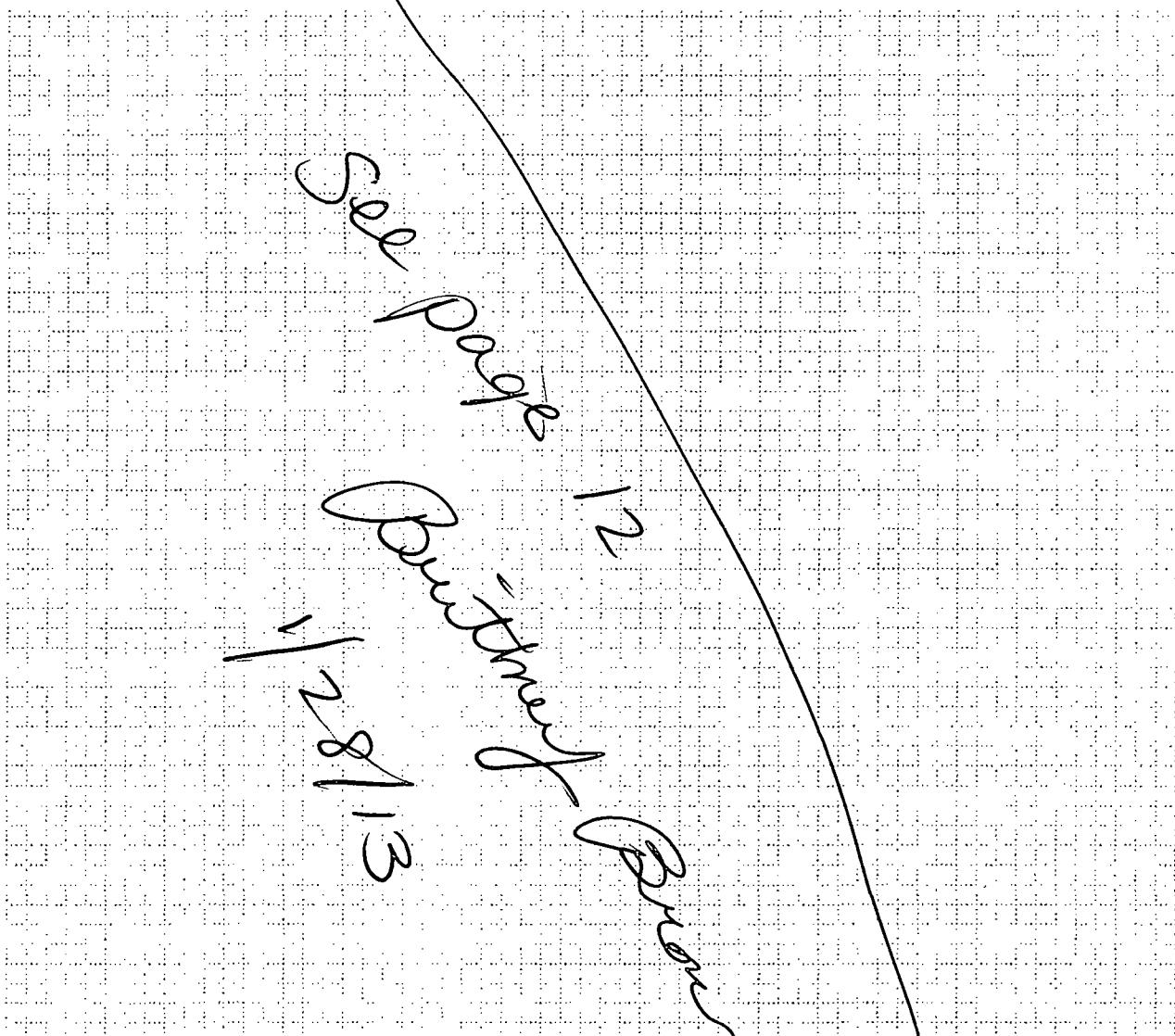
ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: HP0098C SAMPLE ID: HP0098C-GS-JP
SAMPLE COLLECTION TIME: 1545

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: HP0098C

GPS Coordinates: Trimble [<input checked="" type="checkbox"/>] Instrument #:	<u>018594</u>	Logged? <u>Y</u> or N
Aliquot #1: Latitude:	<u>33.56507347</u>	N Longitude <u>86.79434079</u> W
Media description:	<u>DF brown silt w/ gravel</u>	
Aliquot #2 Latitude:	N Longitude	W
Media description:		
Aliquot #3: Latitude:	N Longitude	W
Media description:		
Aliquot #4: Latitude:	N Longitude	W
Media description:		
Aliquot #5: Latitude:	N Longitude	W
Media description:		

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [<input type="checkbox"/>] Instrument #:	Logged? Y or N	
Aliquot #1: Latitude:	N Longitude	W
Media description:		
Aliquot #2 Latitude:	N Longitude	W
Media description:		
Aliquot #3: Latitude:	N Longitude	W
Media description:		
Aliquot #4: Latitude:	N Longitude	W
Media description:		
Aliquot #5: Latitude:	N Longitude	W
Media description:		

(b) (6)

ADDRESS:

PROPERTY ID:

CVOO12

DATE: 1/29/13

ARRIVAL TIME: 0811

Other pertinent information (weather conditions, etc.):

62°F, Cloudy

PROPERTY COMMENTS:

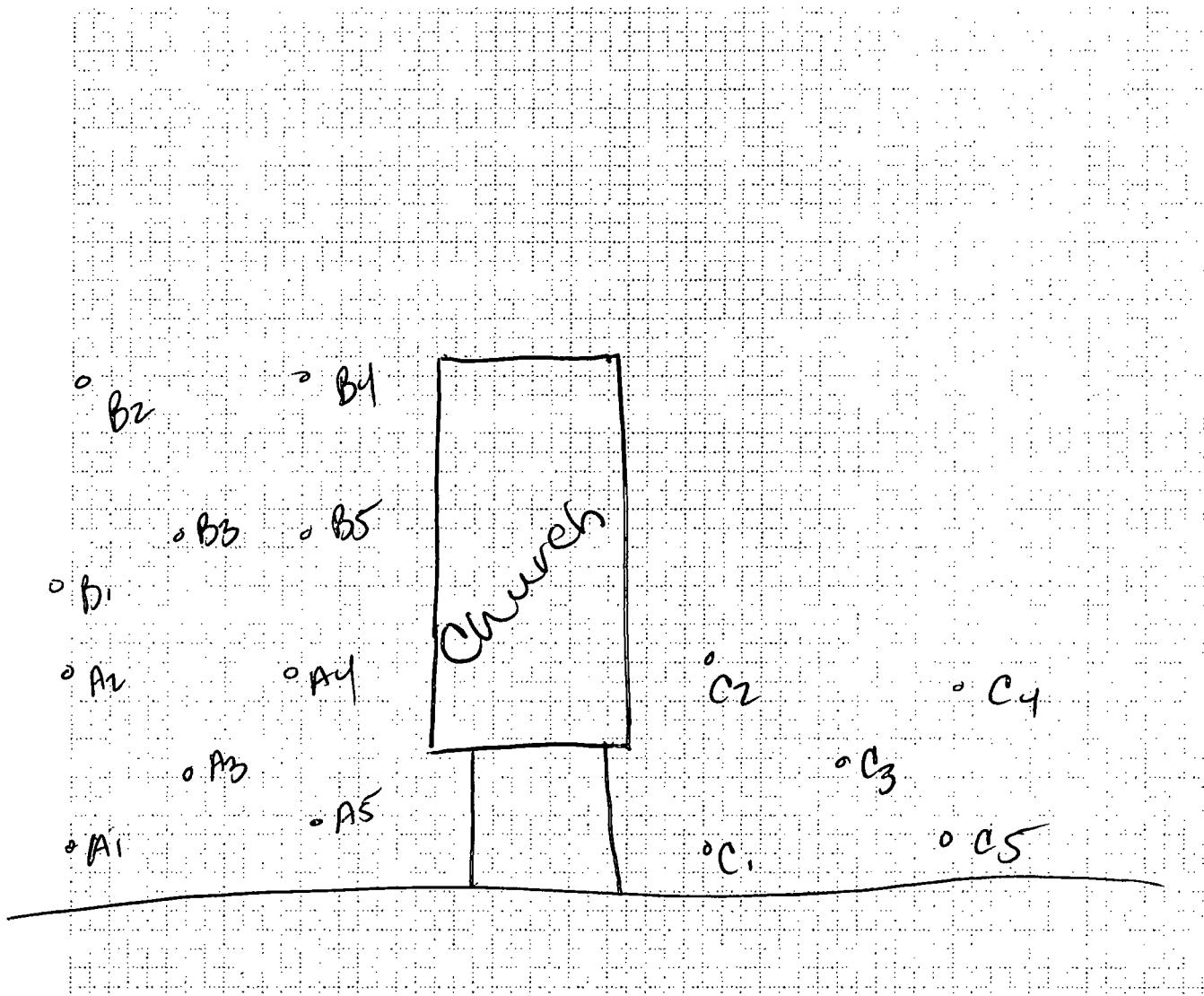
Church Resident

(b) (6)

legal team

Sample CVOO120 was mostly gravel
+ unable to ~~tooo~~ collect sample

Grid for property sketch



STATION ID: CV0012A

SAMPLE ID: CV0012A-CS-SP

SAMPLE COLLECTION TIME: 0827

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0012A

GPS Coordinates: Trimble [✓] Instrument #: 018894 Logged? Y or N

Aliquot #1: Latitude: 33.55812487 N Longitude 86.80746950 W

Media description: brown silt w/ coal & gravel followed by orange clay

Aliquot #2: Latitude: 33.55811867 N Longitude 86.80736925 W

Media description: brown silt w/ coal & gravel followed by orange clay

Aliquot #3: Latitude: 33.55801822 N Longitude 86.80741986 W

Media description: same as previous

Aliquot #4: Latitude: 33.55794730 N Longitude 86.80737193 W

Media description: same as previous

Aliquot #5: Latitude: 33.55792952 N Longitude 86.80746241 W

Media description: same as previous

STATION ID: CV0012B

SAMPLE ID: CV0012B-CS-SP

SAMPLE COLLECTION TIME: 0832

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0012B

GPS Coordinates: Trimble [✓] Instrument #: 018894 Logged? Y or N

Aliquot #1: Latitude: 33.55812061 N Longitude 86.80731505 W

Media description: DK brown/blk silt w/ coal

Aliquot #2: Latitude: 33.55811631 N Longitude 86.80721375 W

Media description: Brown/orange clay w/ coal fragments

Aliquot #3: Latitude: 33.55801585 N Longitude 86.80722819 W

Media description: DK brown silt

Aliquot #4: Latitude: 33.55794448 N Longitude 86.80722884 W

Media description: DK brown silt w/ coal fragments

Aliquot #5: Latitude: 33.55794060 N Longitude 86.80731315 W

Media description: DK brown silt w/ coal fragments

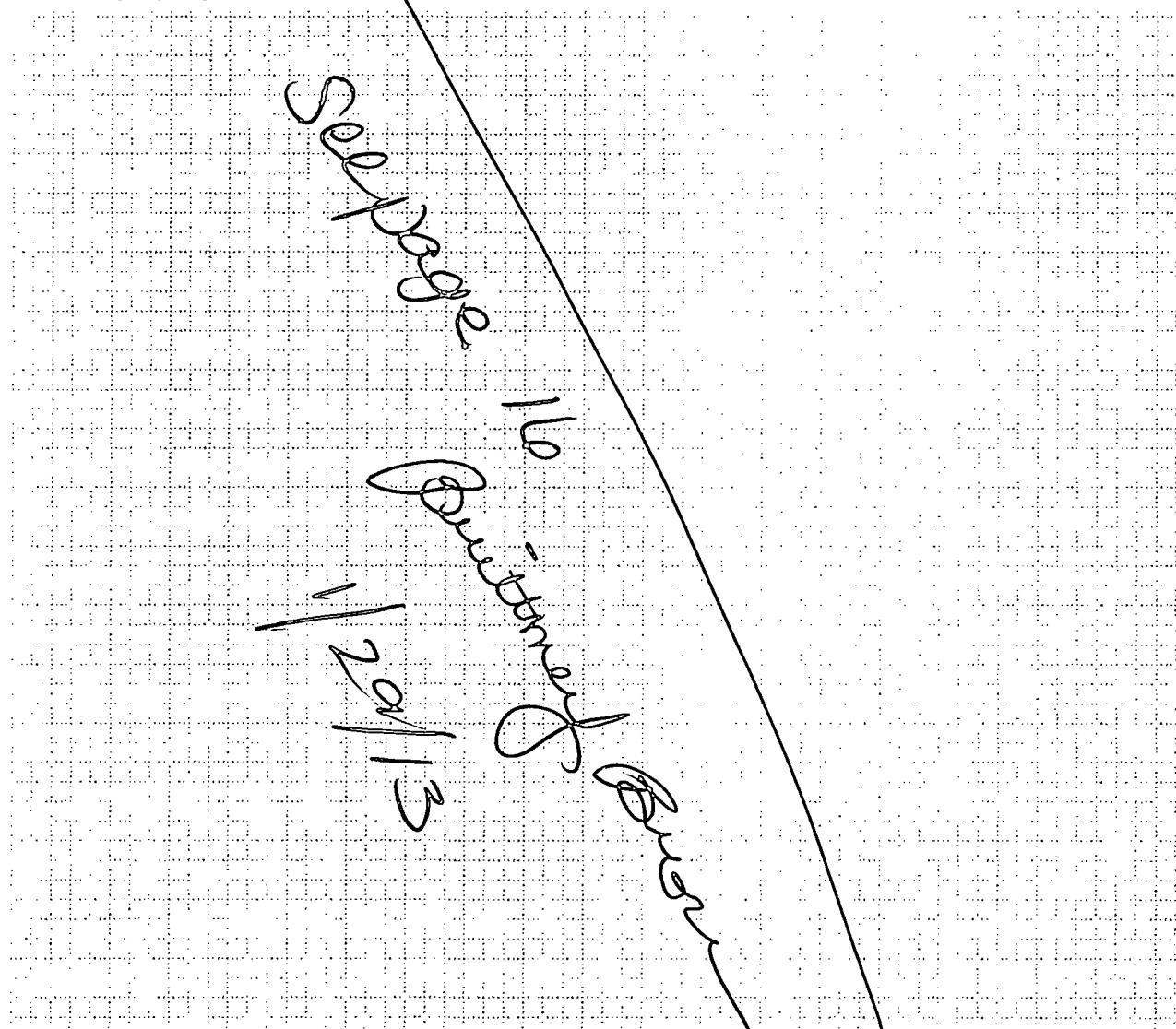
ADDRESS: _____ PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID: CV0012C

SAMPLE ID: CV0012C-CS-SP

SAMPLE COLLECTION TIME: 0845

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0012C

GPS Coordinates: Trimble [] Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.55749288 N Longitude 86.80745699 W

Media description: Dk brown silt w/ gravel & coal

Aliquot #2 Latitude: 33.55748757 N Longitude 86.80734135 W

Media description: thin layer of dk brown silt followed by gravel

Aliquot #3: Latitude: 33.55739756 N Longitude 86.80741000 W

Media description: same as previous

Aliquot #4: Latitude: 33.55732339 N Longitude 86.80734511 W

Media description: same as previous

Aliquot #5: Latitude: 33.55732895 N Longitude 86.80748530 W

Media description: same as previous

STATION ID: CV0012D

SAMPLE ID: CV0012D-CS-SP

SAMPLE COLLECTION TIME:

Description of sample location (front, back, side yard, vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0012D

GPS Coordinates: Trimble [] Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.55740388 N Longitude 86.80728987 W

Media description:

Aliquot #2 Latitude: 33.55740388 N Longitude 86.80721660 W

Media description:

Aliquot #3: Latitude: 33.55731921 N Longitude 86.80724207 W

Media description:

Aliquot #4: Latitude: 33.55719915 N Longitude 86.80720781 W

Media description:

Aliquot #5: Latitude: 33.55719394 N Longitude 86.80729486 W

Media description:

(b) (6)

ADDRESS: _____ PROPERTY ID: CV0821

DATE: 1/29/13 ARRIVAL TIME: 0912

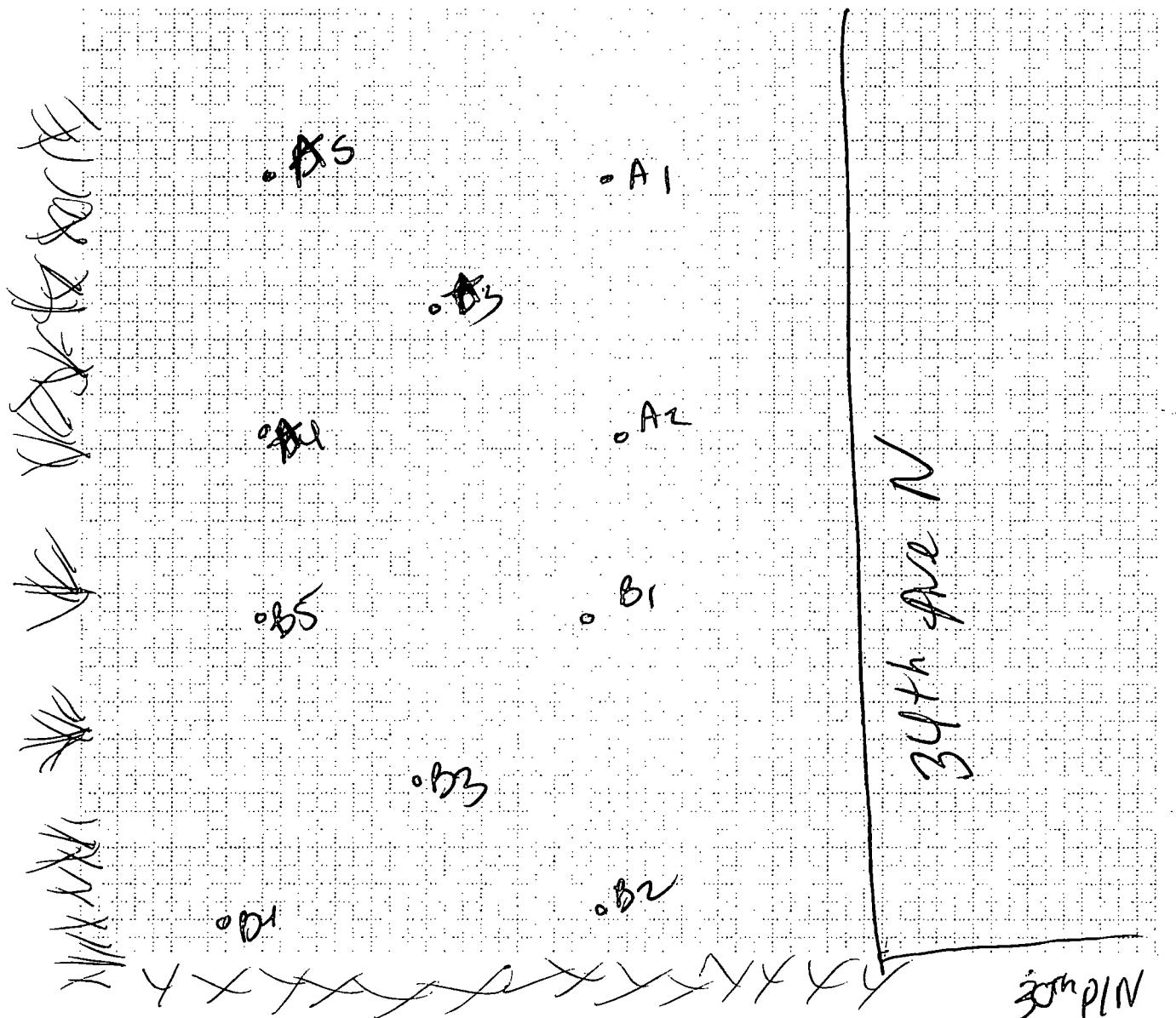
Other pertinent information (weather conditions, etc.):

62°F, Cloudy

PROPERTY COMMENTS:

Vacant lot
w/ (b) (6) legal team

Grid for property sketch



STATION ID: CVOS21A

SAMPLE ID: CVOS21A-CS-SP

SAMPLE COLLECTION TIME: 0922

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CVOS21A

GPS Coordinates: Trimble Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.5582828 N Longitude 86.80720386 W

Media description: DK brwn silt w/ gravel & coal fragments

Aliquot #2: Latitude: 33.55833181 N Longitude 86.80734934 W

Media description: DK brwn silt

Aliquot #3: Latitude: 33.55837290 N Longitude 86.80731844 W

Media description: brwn silt

Aliquot #4: Latitude: 33.55841728 N Longitude 86.80738273 W

Media description: brwn silt

Aliquot #5: Latitude: 33.55841253 N Longitude 86.8072043 W

Media description: brwn silt

STATION ID: CVOS21B

SAMPLE ID: CVOS21B-CS-SP

SAMPLE COLLECTION TIME: 0929

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CVOS21B

GPS Coordinates: Trimble Instrument #: 018597 Logged? Y or N

Aliquot #1: Latitude: 33.55832667 N Longitude 86.80740662 W

Media description: DK brwn silt w/ coal fragments

Aliquot #2: Latitude: 33.55833591 N Longitude 86.80754692 W

Media description: DK brwn silt w/ coal fragments

Aliquot #3: Latitude: 33.55838690 N Longitude 86.80747344 W

Media description: DK brwn silt w/ coal fragments

Aliquot #4: Latitude: 33.55842624 N Longitude 86.80753127 W

Media description: brwn/orange clay w/ gravel

Aliquot #5: Latitude: 33.55841844 N Longitude 86.80741055 W

Media description: DK brwn silt w/ coal fragments

(b) (6)

ADDRESS: _____ PROPERTY ID: CVQS23

DATE: 1/29/13 ARRIVAL TIME: 0945

Other pertinent information (weather conditions, etc.):

62°F, cloudy

PROPERTY COMMENTS:

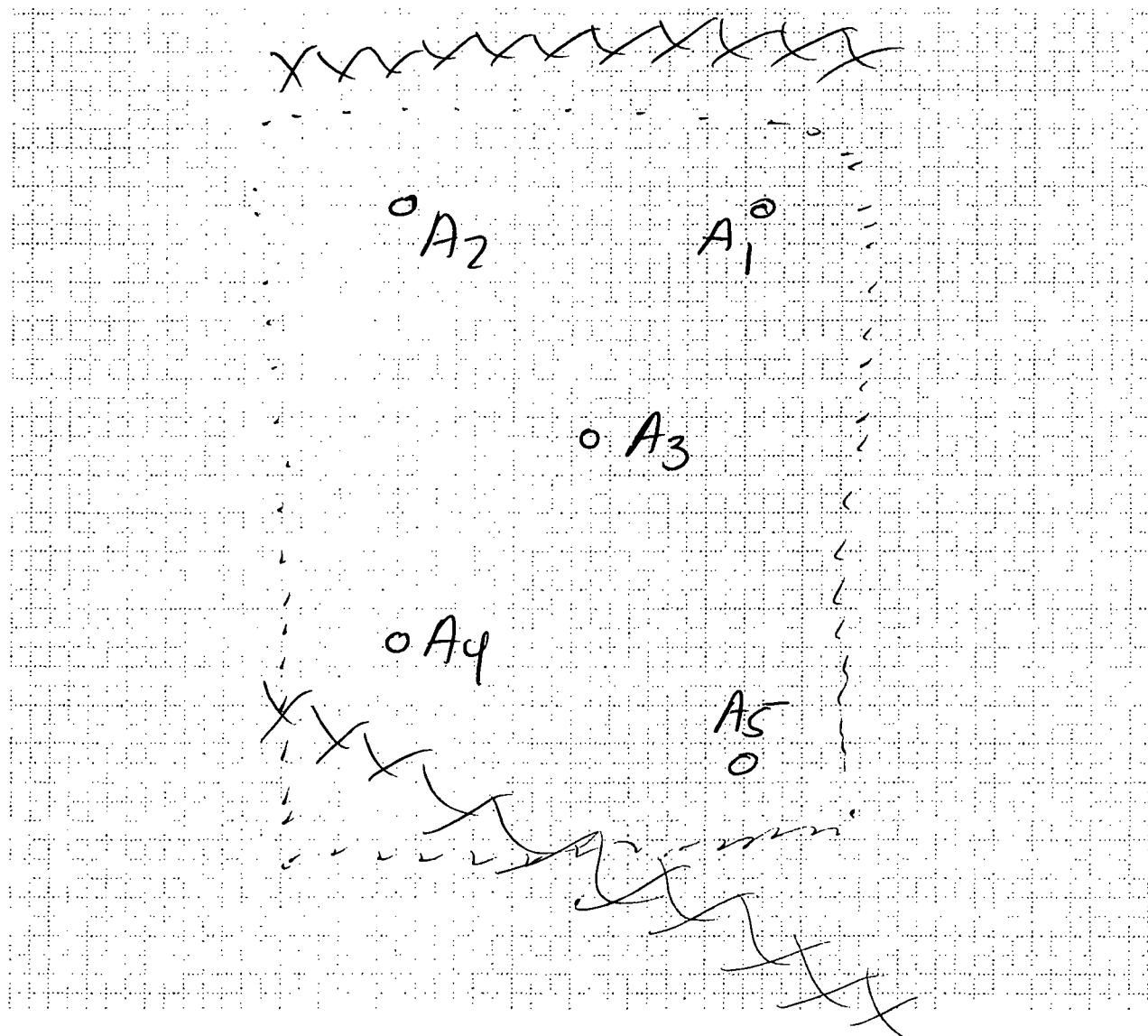
Vacant lot

w/ (b) (6) legal team

Overgrown w/ tall weed

there is a mound of soil in the NE corner

Grid for property sketch



STATION ID: CVOS23A

SAMPLE ID: CVOS23A-CS8P

SAMPLE COLLECTION TIME: 0952

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CVOS23A

GPS Coordinates:	Trimble [<input checked="" type="checkbox"/>]	Instrument #:	018594	Logged? Y or N
Aliquot #1:	Latitude:	33.55868147	N Longitude	86.807116797 W
	Media description:	DK brown silt w/ broken glass		
Aliquot #2:	Latitude:	33.55871030	N Longitude	86.807117889 W
	Media description:	DK brown silt w/ broken glass		
Aliquot #3:	Latitude:	33.55870984	N Longitude	86.80722955 W
	Media description:	DK brown silt &		
Aliquot #4:	Latitude:	33.55875112	N Longitude	86.80733947 W
	Media description:	DK brown silt w/ broken glass		
Aliquot #5:	Latitude:	33.55866822	N Longitude	86.80734941 W
	Media description:	DK brown silt w/ broken glass		

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates:	Trimble [<input type="checkbox"/>]	Instrument #:	_____	Logged? Y or N
Aliquot #1:	Latitude:	_____	N Longitude	_____ W
	Media description:	_____		
Aliquot #2:	Latitude:	_____	N Longitude	_____ W
	Media description:	_____		
Aliquot #3:	Latitude:	_____	N Longitude	_____ W
	Media description:	_____		
Aliquot #4:	Latitude:	_____	N Longitude	_____ W
	Media description:	_____		
Aliquot #5:	Latitude:	_____	N Longitude	_____ W
	Media description:	_____		

(b) (6)

ADDRESS:

PROPERTY ID:

CV0317

DATE: 1/29/13

ARRIVAL TIME: 1050

Other pertinent information (weather conditions, etc.):

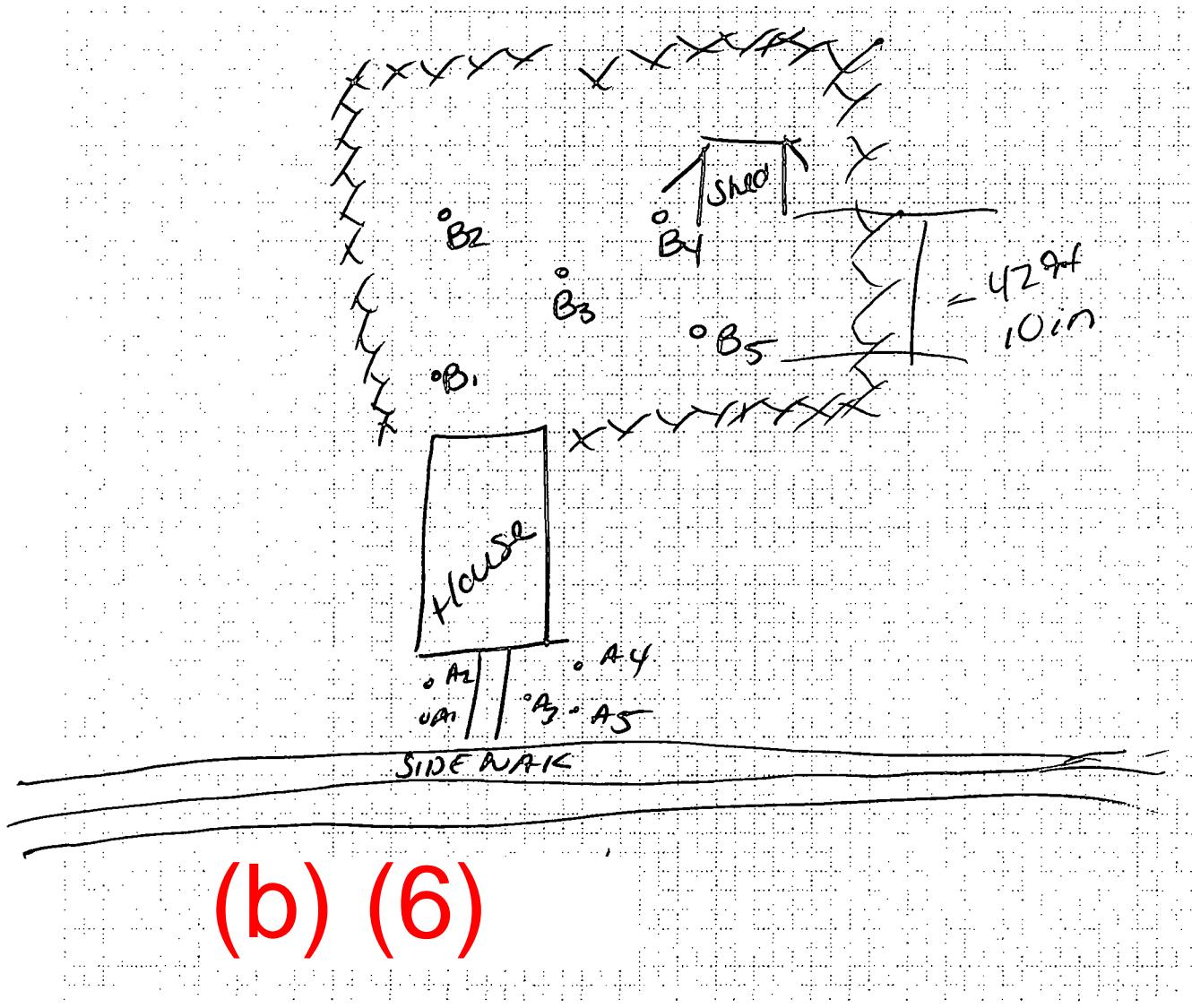
65°F, cloudy

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal team

Grid for property sketch



STATION ID: CV0317A

SAMPLE ID: CV0317A-CS-SP

SAMPLE COLLECTION TIME: 1102

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0317A

GPS Coordinates: Trimble [] Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.55638469 N Longitude 86.80831443 W

Media description: DK brown silt

Aliquot #2 Latitude: 33.55642055 N Longitude 86.80831752 W

Media description: DK brown silt

Aliquot #3: Latitude: 33.55640137 N Longitude 86.80825501 W

Media description: DK brown silt

Aliquot #4: Latitude: 33.55642765 N Longitude 86.80819837 W

Media description: DK brown silt

Aliquot #5: Latitude: 33.55638348 N Longitude 86.80820465 W

Media description: DK brown silt

STATION ID: CV0317B

SAMPLE ID: CV0317B-CS-SP

SAMPLE COLLECTION TIME: 1107

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0317B

GPS Coordinates: Trimble [] Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.55656755 N Longitude 86.80830345 W

Media description: brown silt w/ gravel & coal fragments

Aliquot #2 Latitude: 33.55664782 N Longitude 86.80831076 W

Media description: brown silt w/ gravel & coal fragments

Aliquot #3: Latitude: 33.55661602 N Longitude 86.80827690 W

Media description: brown silt w/ gravel & coal fragments

Aliquot #4: Latitude: 33.55664491 N Longitude 86.80823107 W

Media description: blik silt w/ gravel

Aliquot #5: Latitude: 33.55658079 N Longitude 86.80821592 W

Media description: blik silt w/ gravel

(b) (6)

ADDRESS:

DATE: 1/29/13

PROPERTY ID:

CR0629

ARRIVAL TIME: 1124

Other pertinent information (weather conditions, etc.):

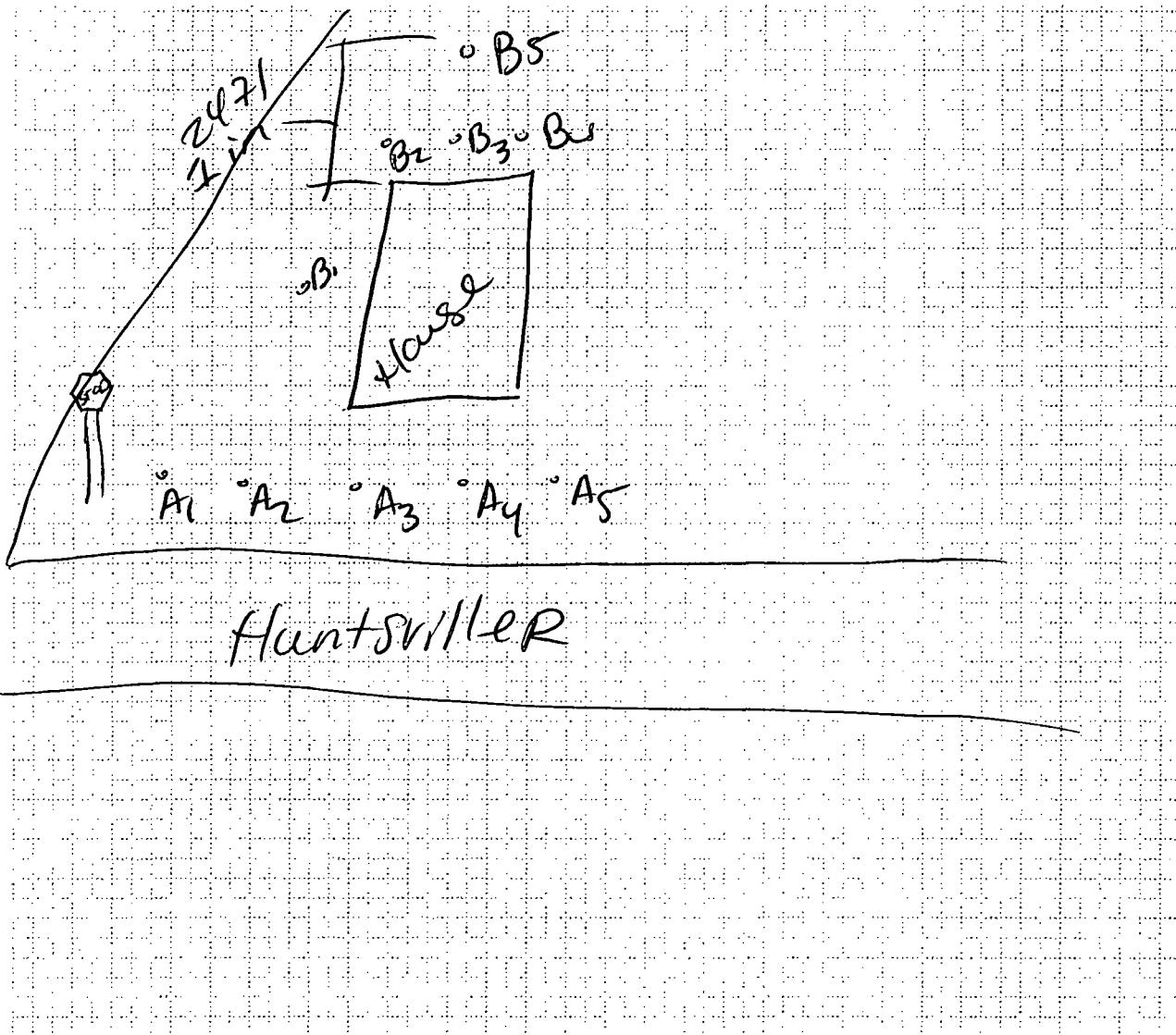
65°F, Cloudy

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal team

Grid for property sketch



STATION ID: CV0629A

SAMPLE ID: CV0629A-CS-SP

SAMPLE COLLECTION TIME: 1130

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0629A

GPS Coordinates: Trimble [✓] Instrument #:	018594	Logged? Y or N
Aliquot #1: Latitude:	33.55761101	N Longitude 86.80295506 W
Media description:	DK brun/bk silt	
Aliquot #2 Latitude:	33.55762800	N Longitude 86.80292109 W
Media description:	DK brun silt w/gravel + coal fragments	
Aliquot #3: Latitude:	33.55765987	N Longitude 86.80287391 W
Media description:	Same as previous	
Aliquot #4: Latitude:	33.55768593	N Longitude 86.80283496 W
Media description:	Same as previous	
Aliquot #5: Latitude:	33.55770992	N Longitude 86.80280401 W
Media description:	Same as previous	

STATION ID: CV0629B

SAMPLE ID: CV0629B-CS-SP

SAMPLE COLLECTION TIME: 1134

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0629B

GPS Coordinates: Trimble [✓] Instrument #:	018594	Logged? Y or N
Aliquot #1: Latitude:	33.55770561	N Longitude 86.80300362 W
Media description:	DK brun/bk silt	
Aliquot #2 Latitude:	33.55780600	N Longitude 86.80300537 W
Media description:	DK brun silt w/gravel + coal fragments	
Aliquot #3: Latitude:	33.55782681	N Longitude 86.80298482 W
Media description:	Same as previous	
Aliquot #4: Latitude:	33.55784749	N Longitude 86.80296839 W
Media description:	Same as previous	
Aliquot #5: Latitude:	33.55785241	N Longitude 86.80300956 W
Media description:	Same as previous	

(b) (6)

ADDRESS: BB 1/29/13 PROPERTY ID: CV0599
DATE: 1/29/13 ARRIVAL TIME: 1313

Other pertinent information (weather conditions, etc.):

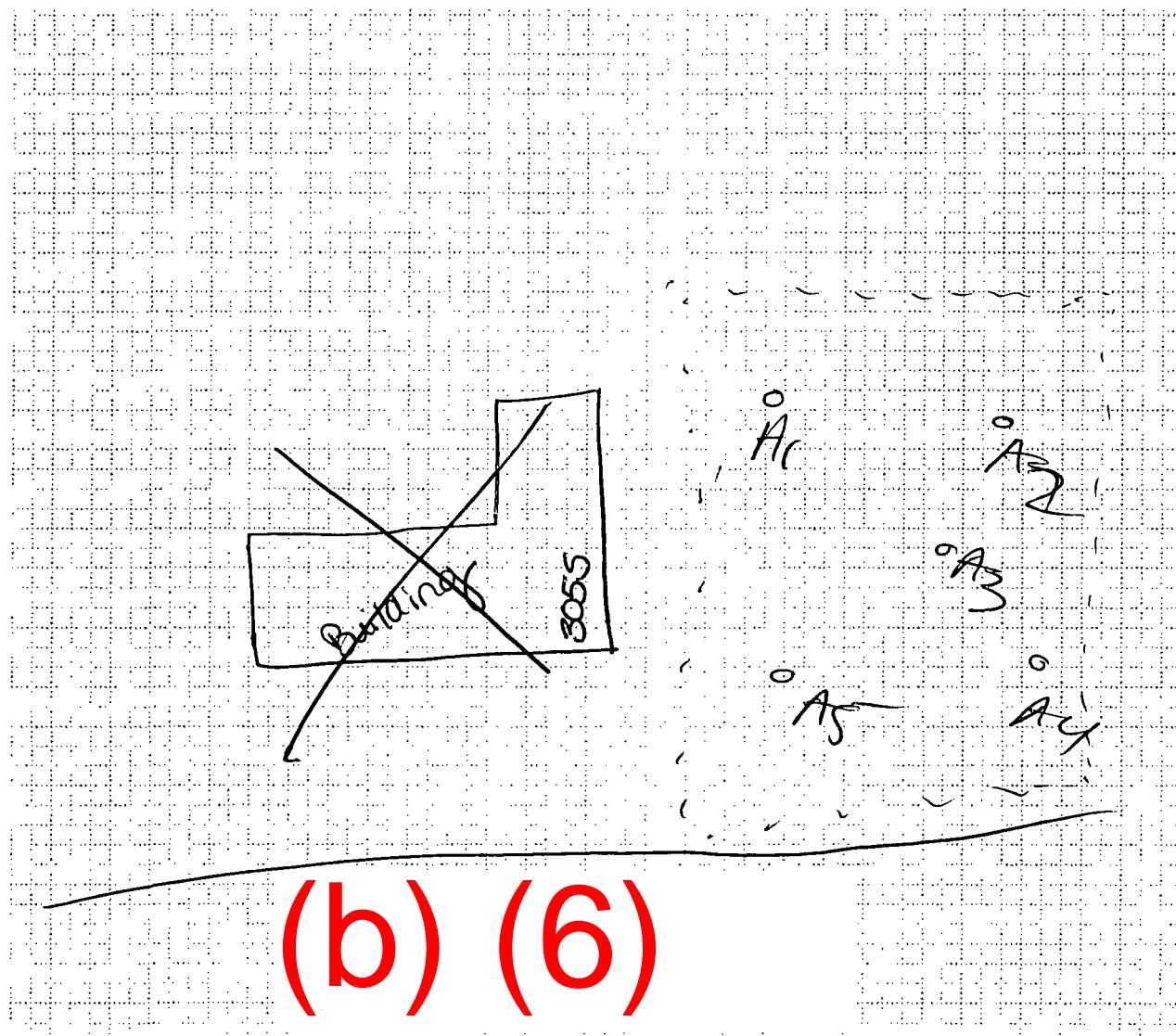
63°F, Cloudy

PROPERTY COMMENTS:

BB 1/29/13 Commercial Property B+D Automotive

(b) (6) legal team
vacant lot

Grid for property sketch



STATION ID: CVOS99A

SAMPLE ID: CVOS99A-CS-SP

SAMPLE COLLECTION TIME: 1355

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CVOS97A

GPS Coordinates: Trimble [] Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.56077463 N Longitude 86.80452687 W

Media description: Half inch BIK silt followed by tan/orange clay

Aliquot #2 Latitude: 33.56077203 N Longitude 86.80475386 W

Media description: Brown silt 2 in followed by tan/orange clay

Aliquot #3: Latitude: 33.56081063 N Longitude 86.80463949 W

Media description: Half inch BIK silt followed by tan/orange clay

Aliquot #4: Latitude: 33.56086707 N Longitude 86.80476948 W

Media description: Brown silty clay w/ coal fragments

Aliquot #5: Latitude: 33.56089186 N Longitude 86.80457068 W

Media description: Half inch BIK silt followed by tan/orange clay

STATION ID: _____

SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble [] Instrument #: _____ Logged? Y or N

Aliquot #1: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #2 Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #3: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: _____

(b) (6)

ADDRESS: _____

PROPERTY ID: CVO598

DATE: 1/29/

ARRIVAL TIME: 1410

Other pertinent information (weather conditions, etc.):

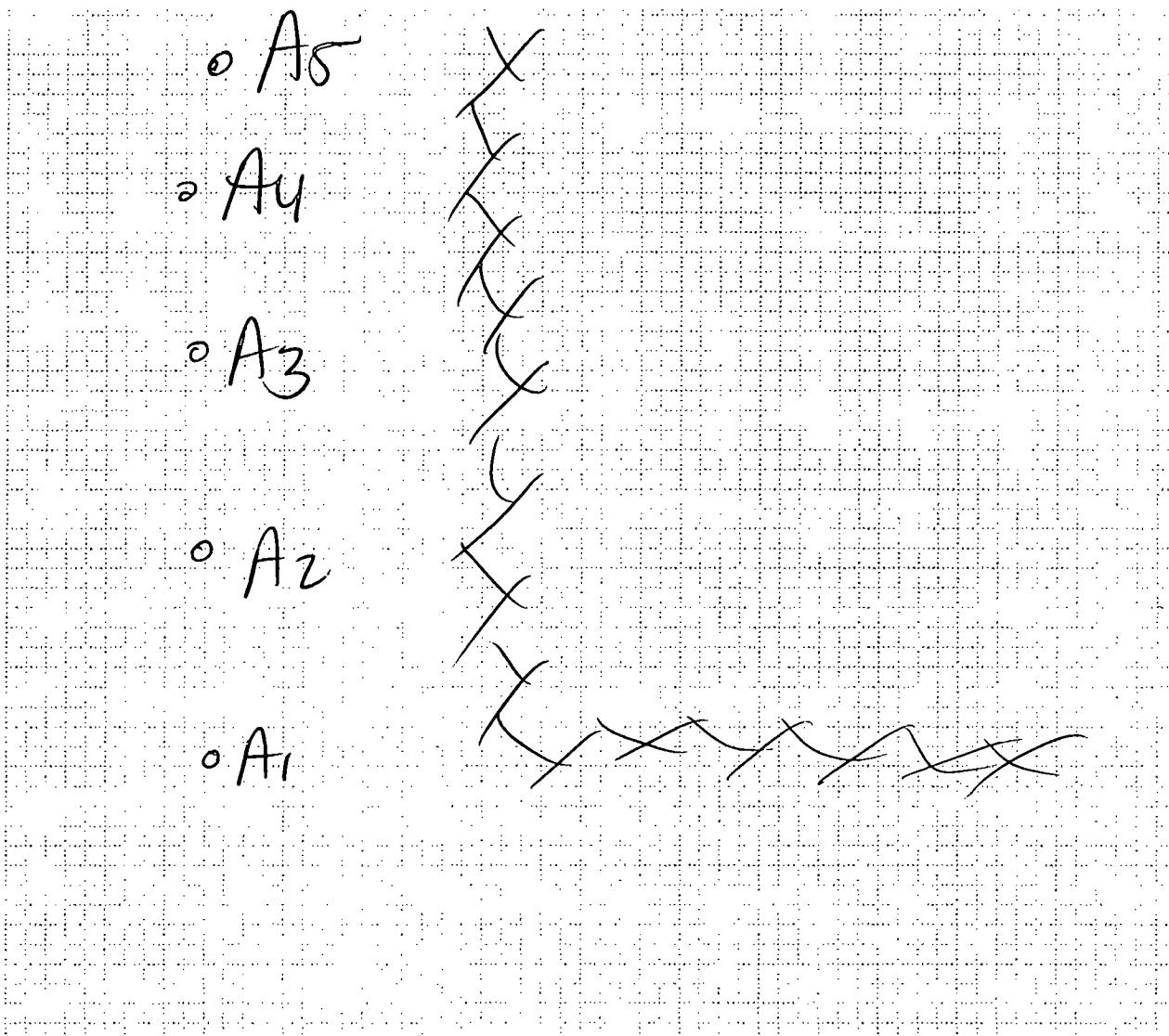
68°F Partly cloudy

PROPERTY COMMENTS:

Side Yard of B + D Automotive

w/ (b) (6) legal team

Grid for property sketch



STATION ID: CV0S98A SAMPLE ID: CV0S98A-CS-SP
SAMPLE COLLECTION TIME: 1420

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: <u>Composite</u> or <u>Grab</u>	MS/MSD? Y or <u>N</u>
Field Duplicate or Split: <u>Yes</u> or <u>No</u> If yes, indicate Duplicate/split sample station ID: <u>CV0S98A</u>	
GPS Coordinates: Trimble [] Instrument #: <u>018894</u>	Logged? <u>Y</u> or <u>N</u>
Aliquot #1: Latitude: <u>33.55716087</u> N Longitude <u>86.80771123</u> W Media description: <u>brun clay silt</u>	
Aliquot #2 Latitude: <u>33.55715370</u> N Longitude <u>86.80785085</u> W Media description: <u>brun clay silt</u>	
Aliquot #3: Latitude: <u>33.55714010</u> N Longitude <u>86.80796518</u> W Media description: <u>brun clay silt</u>	
Aliquot #4: Latitude: <u>33.55712910</u> N Longitude <u>86.80808777</u> W Media description: <u>brun clay silt</u>	
Aliquot #5: Latitude: <u>33.55714216</u> N Longitude <u>86.8082895</u> W Media description: <u>brun clay silt</u>	

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab	MS/MSD? Y or N
Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____	
GPS Coordinates: Trimble [] Instrument #: _____	Logged? Y or N
Aliquot #1: Latitude: _____ N Longitude _____ W Media description: _____	
Aliquot #2 Latitude: _____ N Longitude _____ W Media description: _____	
Aliquot #3: Latitude: _____ N Longitude _____ W Media description: _____	
Aliquot #4: Latitude: _____ N Longitude _____ W Media description: _____	
Aliquot #5: Latitude: _____ N Longitude _____ W Media description: _____	

(b) (6)

ADDRESS: _____ PROPERTY ID: CV 0687
DATE: 1/29/13 ARRIVAL TIME: ~~10:00~~ /434
BB 429/13

Other pertinent information (weather conditions, etc.):

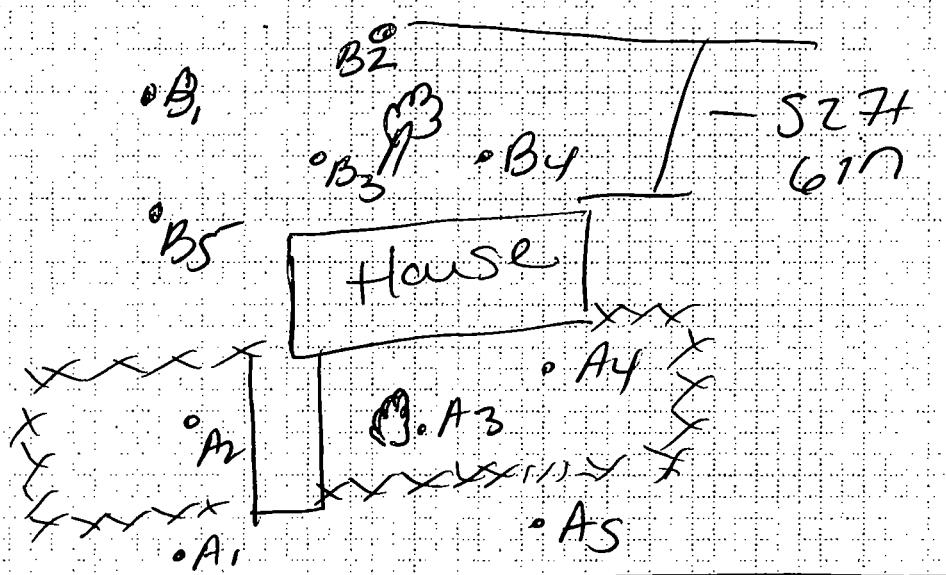
68°F, Particelly Cloudy

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal team

Grid for property sketch



STATION ID: CV0687A

SAMPLE ID: CV0687A-CS-SP

SAMPLE COLLECTION TIME: 1445 1451

08/29/13

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: No If yes, indicate Duplicate/split sample station ID: CV0687A

GPS Coordinates: Trimble [+] Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.55925680 N Longitude 86.80302670 W

Media description: DK brun silt w/ small gravel

Aliquot #2 Latitude: 33.55932828 N Longitude 86.80299696 W

Media description: brun silty clay

Aliquot #3: Latitude: 33.55928518 N Longitude 86.80298286 W

Media description: brun silty clay

Aliquot #4: Latitude: 33.55924837 N Longitude 86.80294884 W

Media description: DK brun silt

Aliquot #5: Latitude: 33.55921801 N Longitude 86.80299724 W

Media description: DK brun silt w/ small gravel

STATION ID: CV0687B

SAMPLE ID: CV0687B-CS-SP

SAMPLE COLLECTION TIME: 1451 1445

08/29/13

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: No If yes, indicate Duplicate/split sample station ID: CV0687B

GPS Coordinates: Trimble [+] Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.55907764 N Longitude 86.80284429 W

Media description: DK brun silt dry

Aliquot #2 Latitude: 33.55914100 N Longitude 86.80287913 W

Media description: DK brun silt dry

Aliquot #3: Latitude: 33.55916018 N Longitude 86.80282665 W

Media description: DK brun Silt dry

Aliquot #4: Latitude: 33.55920788 N Longitude 86.80282812 W

Media description: DK brun Silt dry

Aliquot #5: Latitude: 33.55916028 N Longitude 86.80276563 W

Media description: DK brun Silt dry

(b) (6)

ADDRESS:

PROPERTY ID: FM0292

DATE: 1/29/13

ARRIVAL TIME: 1525

Other pertinent information (weather conditions, etc.):

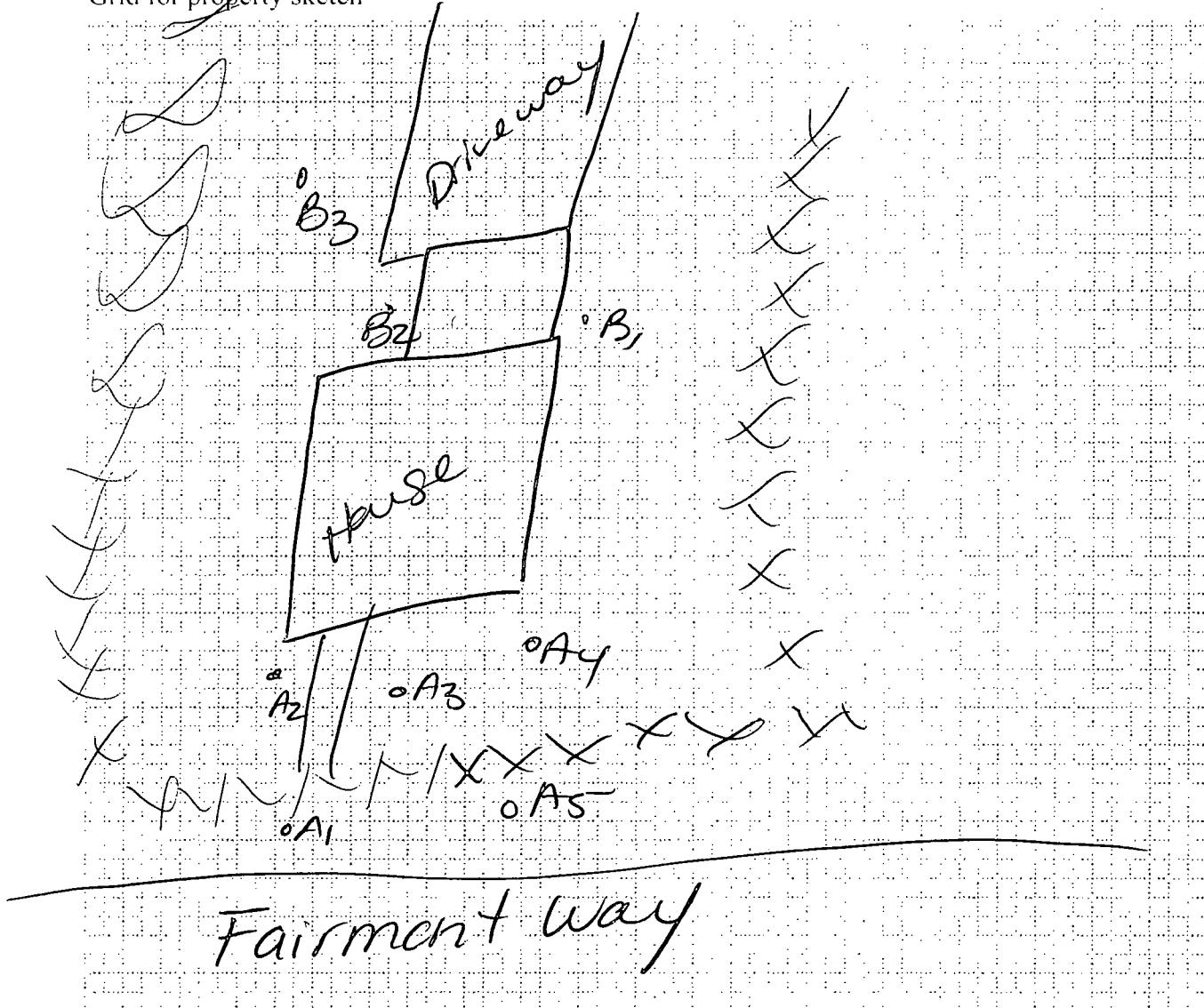
60°F, Partially cloudy

PROPERTY COMMENTS:

Resident Home

w/ (b) (6) legal team

Grid for property sketch



STATION ID: FM0292A

SAMPLE ID: FM0292A-CS-SP

SAMPLE COLLECTION TIME: 1536

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: FM0292A

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N
Aliquot #1: Latitude: 33.56591490 N Longitude 86.81256345 W
Media description: Brown/tan silty clay w/ gravel
Aliquot #2: Latitude: 33.56589963 N Longitude 86.81250911 W
Media description: Brown/tan silty clay
Aliquot #3: Latitude: 33.56587202 N Longitude 86.81252933 W
Media description: Brown/tan silty clay
Aliquot #4: Latitude: 33.56583763 N Longitude 86.81251130 W
Media description: DK brown silt
Aliquot #5: Latitude: 33.56584447 N Longitude 86.81256587 W
Media description: DK brown Silt

STATION ID: FM0292B

SAMPLE ID: FM0292B-CS-SP

SAMPLE COLLECTION TIME: 1539

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: FM0292B

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N
Aliquot #1: Latitude: 33.56582297 N Longitude 86.81228465 W
Media description: DK brown Silt
Aliquot #2: Latitude: 33.56584903 N Longitude 86.81224148 W
Media description: DK brown Silt
Aliquot #3: Latitude: 33.56588904 N Longitude 86.81216884 W
Media description: Brwn silt followed by tan clay
Aliquot #4: Latitude: _____ N Longitude _____ W
Media description: _____
Aliquot #5: Latitude: _____ N Longitude _____ W
Media description: _____

(b) (6)

ADDRESS: _____

PROPERTY ID: CV0312

DATE: 1/31/13

ARRIVAL TIME: 0838

Other pertinent information (weather conditions, etc.):

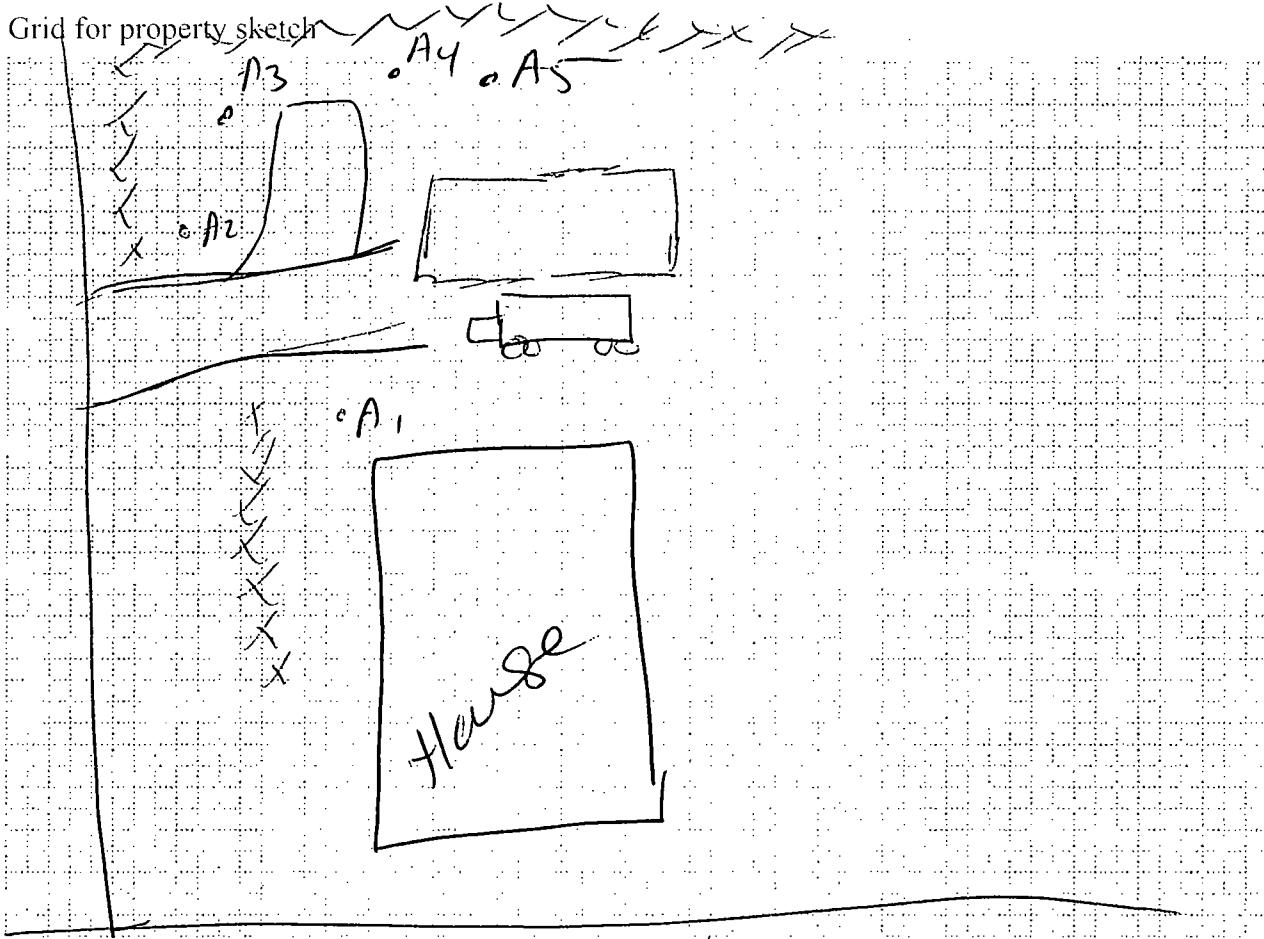
37°F, cloudy/sunny

PROPERTY COMMENTS: BB 1/31/13

Resident there

w/ (b) (6) legal attorney team

Grid for property sketch



(b) (6)

STATION ID: CV0312A

SAMPLE ID: CV0312A-C-SP

SAMPLE COLLECTION TIME: 0846

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0312A

GPS Coordinates:	Trimble []	Instrument #:	018594	Logged?	Y or N
Aliquot #1:	Latitude:	33.55498253	Longitude:	86.79629674	W
	Media description:	DK brown silt			
Aliquot #2:	Latitude:	33.55492513	N Longitude	86.79630102	W
	Media description:	DK brown silt			
Aliquot #3:	Latitude:	33.55484729	N Longitude	86.79631984	W
	Media description:	DK brown silt w/ coal fragments			
Aliquot #4:	Latitude:	33.55485620	N Longitude	86.79634749	W
	Media description:	DK brown silt w/ coal fragments			
Aliquot #5:	Latitude:	33.55486280	N Longitude	86.79641774	W
	Media description:	DK brown silt w/ coal fragments			

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates:	Trimble []	Instrument #:	_____	Logged?	Y or N
Aliquot #1:	Latitude:	_____	N Longitude	_____	W
	Media description:	_____			
Aliquot #2:	Latitude:	_____	N Longitude	_____	W
	Media description:	_____			
Aliquot #3:	Latitude:	_____	N Longitude	_____	W
	Media description:	_____			
Aliquot #4:	Latitude:	_____	N Longitude	_____	W
	Media description:	_____			
Aliquot #5:	Latitude:	_____	N Longitude	_____	W
	Media description:	_____			

(b) (6)

ADDRESS

113113

PROPERTY ID: CVOSSI

DATE:

ARRIVAL TIME: 0908

Other pertinent information (weather conditions, etc.):

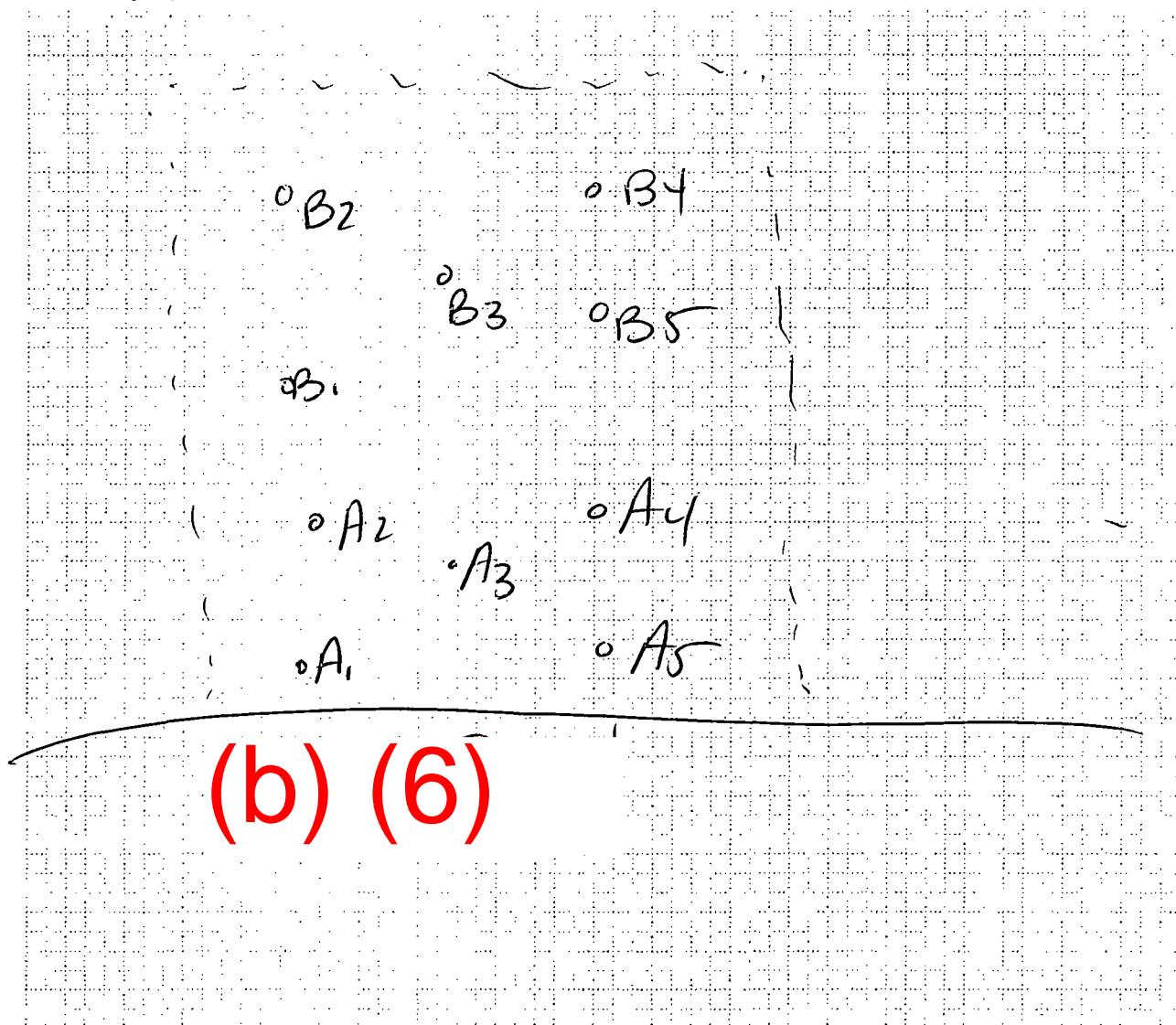
37°F, sunny

PROPERTY COMMENTS:

Vacant lot

(b) (6) (b) (6) legal team

Grid for property sketch



STATION ID: CVOSSIA

SAMPLE ID: CVOSSIA-CS-SP

SAMPLE COLLECTION TIME: 0920

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [✓] Instrument #:	018594	Logged? Y or N
Aliquot #1: Latitude:	33.55595792	N Longitude 86.79849879 W
Media description:	Bk silt w/ccal fragments moist	
Aliquot #2 Latitude:	33.55594744	N Longitude 86.79859123 W
Media description:	Bk silt moist	
Aliquot #3: Latitude:	33.55597445	N Longitude 86.79855320 W
Media description:	Brun Silt w/ gravel moist	
Aliquot #4: Latitude:	33.55600724	N Longitude 86.79860431 W
Media description:	Brun silt w/ gravel moist	
Aliquot #5: Latitude:	33.55598882	N Longitude 86.79848291 W
Media description:	Brun silt w/ gravel moist	

STATION ID: CVOSSIB

SAMPLE ID: CVOSSIB-CS-SP

SAMPLE COLLECTION TIME: 0928

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID:

GPS Coordinates: Trimble [✓] Instrument #:	018594	Logged? Y or N
Aliquot #1: Latitude:	33.55594339	N Longitude 86.79866475 W
Media description:	tan silty clay w/ccal fragment wet	
Aliquot #2 Latitude:	33.55594874	N Longitude 86.79879940 W
Media description:	Bk silt wet	
Aliquot #3: Latitude:	33.555928931	N Longitude 86.79872144 W
Media description:	Bk silt wet	
Aliquot #4: Latitude:	33.555999299	N Longitude 86.79881312 W
Media description:	Bk silt wet	
Aliquot #5: Latitude:	33.55601171	N Longitude 86.79867542 W
Media description:	Brun Brun silt very wet	

(b) (6)

ADDRESS: _____

PROPERTY ID: CV0062

DATE: 1/31/13

ARRIVAL TIME: 0943

Other pertinent information (weather conditions, etc.):

40°F, Sunny

PROPERTY COMMENTS:

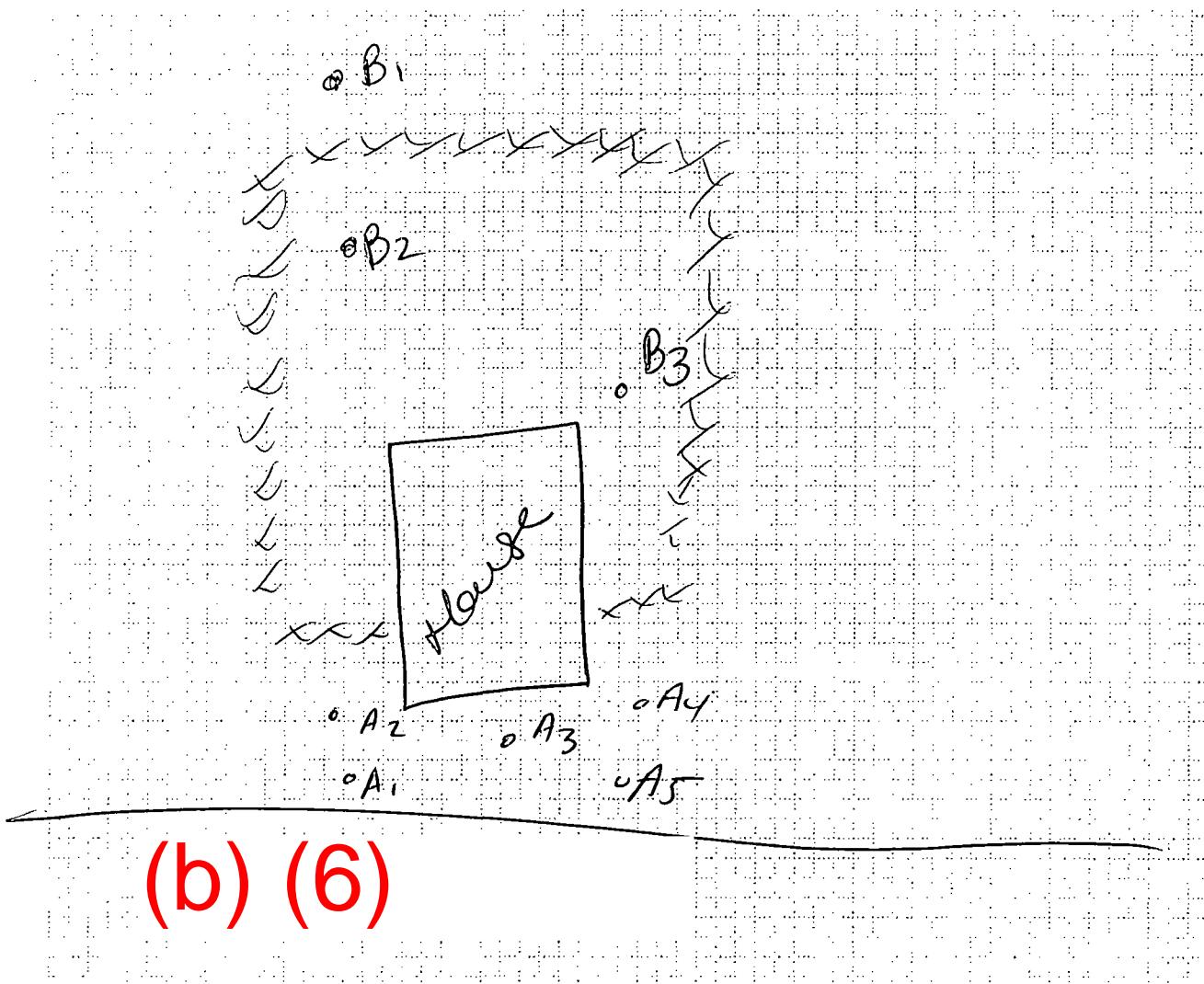
Resident Home

(b) (6)

legal team

~~could not sample backyard
due to gravel BB 1/31/13~~

Grid for property sketch



(b) (6)

STATION ID: CV0062A

SAMPLE ID: CV0062A-CS-SP

SAMPLE COLLECTION TIME: 0950

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0062A

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.55415323 N Longitude 86.80288069 W

Media description: DK brown silt moist

Aliquot #2: Latitude: 33.55417412 N Longitude 86.80287896 W

Media description: DK brown silt moist

Aliquot #3: Latitude: 33.55416860 N Longitude 86.80284686 W

Media description: DK brown silt moist

Aliquot #4: Latitude: 33.55417838 N Longitude 86.80281603 W

Media description: DK brown silt moist

Aliquot #5: Latitude: 33.55414849 N Longitude 86.80281453 W

Media description: DK brown silt moist

STATION ID: CV0062B

SAMPLE ID: CV0062B-CS-SP

SAMPLE COLLECTION TIME: 1008

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0062B

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.55447741 N Longitude 86.80285368 W

Media description: DK silt brn w/ tan/orange clay + gravel

Aliquot #2: Latitude: 33.55442639 N Longitude 86.80287475 W

Media description: DK brown silt moist

Aliquot #3: Latitude: 33.55437945 N Longitude 86.80281275 W

Media description: DK blk silt w/ gravel + coal moist

Aliquot #4: Latitude: N Longitude W

Media description:

Aliquot #5: Latitude: N Longitude W

Media description:

* CV0062B 3-point was sampled*

(b) (6)

ADDRESS: CV0285

DATE: 1/31/13 ARRIVAL TIME: 1050

Other pertinent information (weather conditions, etc.):

47°F, Sunny

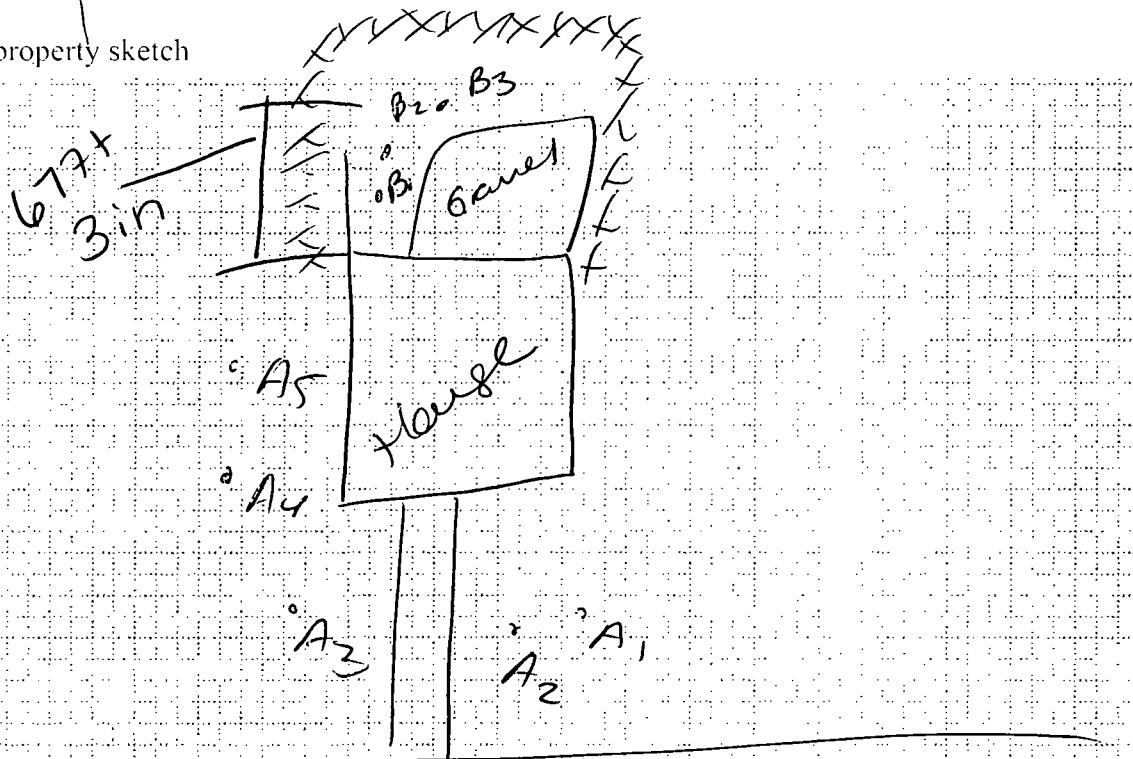
PROPERTY COMMENTS:

Resident Home

w/ (b) (6)

legal team

Grid for property sketch



(b) (6)

STATION ID: CV028SA

SAMPLE ID: CV028SA-CS-SP

SAMPLE COLLECTION TIME: 1055

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Front + Side YARD

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV028SA

GPS Coordinates: Trimble [] Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.55557704 N Longitude 86.80370077 W

Media description: DK brun/blk silt

Aliquot #2 Latitude: 33.55559322 N Longitude 86.80374371 W

Media description: DK brun/blk silt

Aliquot #3: Latitude: 33.55559462 N Longitude 86.80382291 W

Media description: DK brun/blk silt

Aliquot #4: Latitude: 33.55564018 N Longitude 86.80383066 W

Media description: DK brun/blk silt

Aliquot #5: Latitude: 33.55570073 N Longitude 86.80381787 W

Media description: DK brun/blk silt

STATION ID: CV028SB

SAMPLE ID: CV028SB-CS-SP

SAMPLE COLLECTION TIME: 1105

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV028SB

GPS Coordinates: Trimble [] Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.55586289 N Longitude 86.80375037 W

Media description: DK brun/blk silt

Aliquot #2 Latitude: 33.55589289 N Longitude 86.80373372 W

Media description: DK brun/blk silt

Aliquot #3: Latitude: 33.55593262 N Longitude 86.80371429 W

Media description: DK brun/blk silt

Aliquot #4: Latitude: _____ N Longitude _____ W

Media description: _____

Aliquot #5: Latitude: _____ N Longitude _____ W

Media description: _____

(b) (6)

ADDRESS _____ PROPERTY ID: CVOL61

DATE: 1/31/13 ARRIVAL TIME: 1112

Other pertinent information (weather conditions, etc.):

46°F, sunny

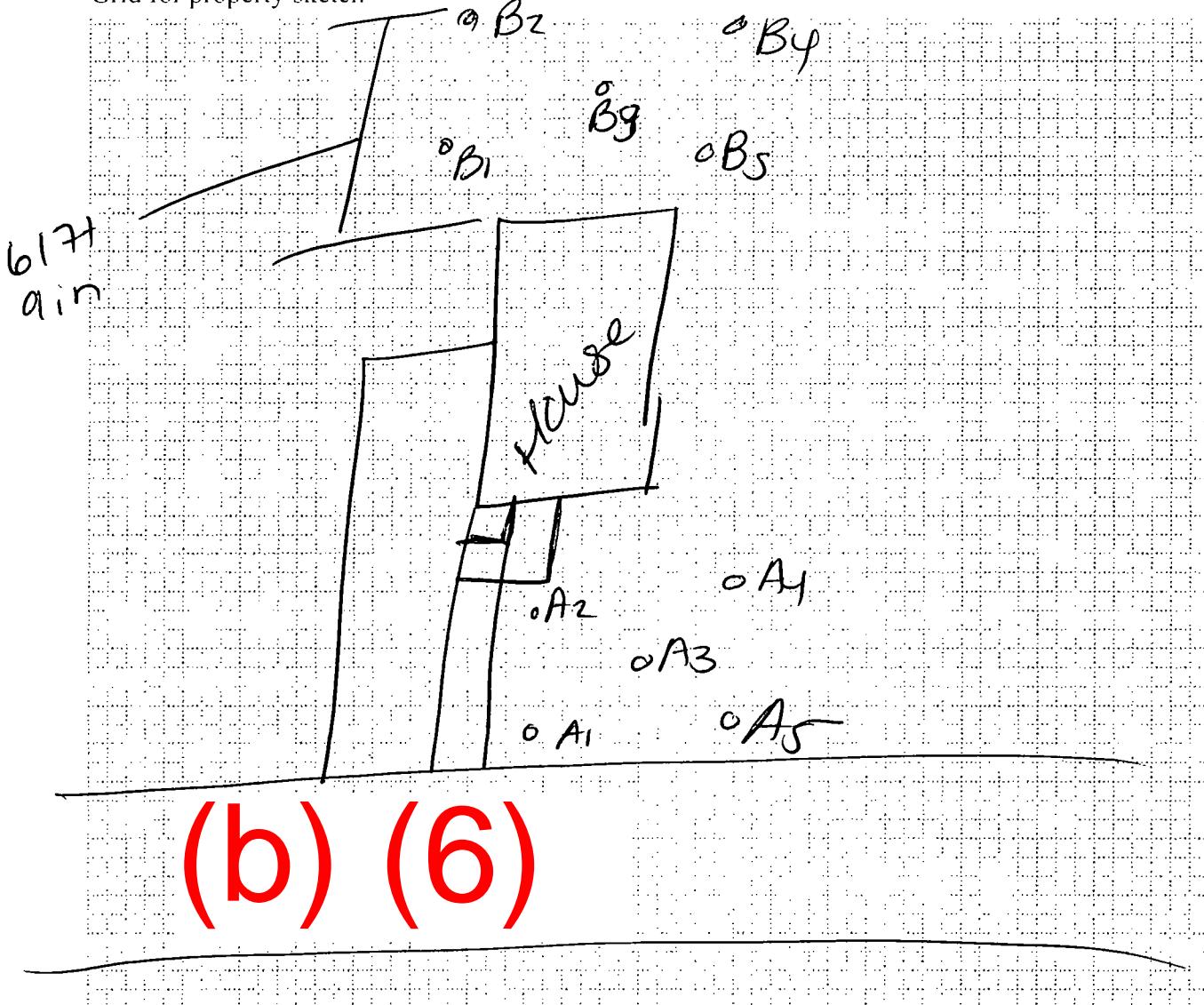
PROPERTY COMMENTS:

46°F, sunny; Resident Home

w/ (b) (6)

legal team

Grid for property sketch



STATION ID: CV0461A

SAMPLE ID: CV0461A-CS-SP

SAMPLE COLLECTION TIME: 1125

Description of sample location (front) back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0461A

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.55626925 N Longitude 86.80062479 W

Media description: DK brun silt

Aliquot #2 Latitude: 33.55625409 N Longitude 86.80065653 W

Media description: DK brun silt

Aliquot #3: Latitude: 33.55629865 N Longitude 86.80064990 W

Media description: DK brun silt

Aliquot #4: Latitude: 33.55633328 N Longitude 86.80067095 W

Media description: DK brun silt w/ small coal fragments

Aliquot #5: Latitude: 33.55633670 N Longitude 86.80062459 W

Media description: DK brun silt

STATION ID: CV0461B

SAMPLE ID: CV0461B-CS-SP

SAMPLE COLLECTION TIME: 1131

Description of sample location (front, back, side yard) vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0461B

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.55622961 N Longitude 86.80084619 W

Media description: DK brun silt moist

Aliquot #2 Latitude: 33.55624668 N Longitude 86.80101057 W

Media description: DK brun silt moist

Aliquot #3: Latitude: 33.55628122 N Longitude 86.80091315 W

Media description: DK brun silt w/ tan/orange clay moist

Aliquot #4: Latitude: 33.55630109 N Longitude 86.80101942 W

Media description: DK brun silt w/ coal fragment

Aliquot #5: Latitude: 33.55630585 N Longitude 86.80084647 W

Media description: DK brun silt

(b) (6)

ADDRESS:

PROPERTY ID:

0V0481

DATE: 1/31/13

ARRIVAL TIME:

1232

Other pertinent information (weather conditions, etc.):

50°F, sunny

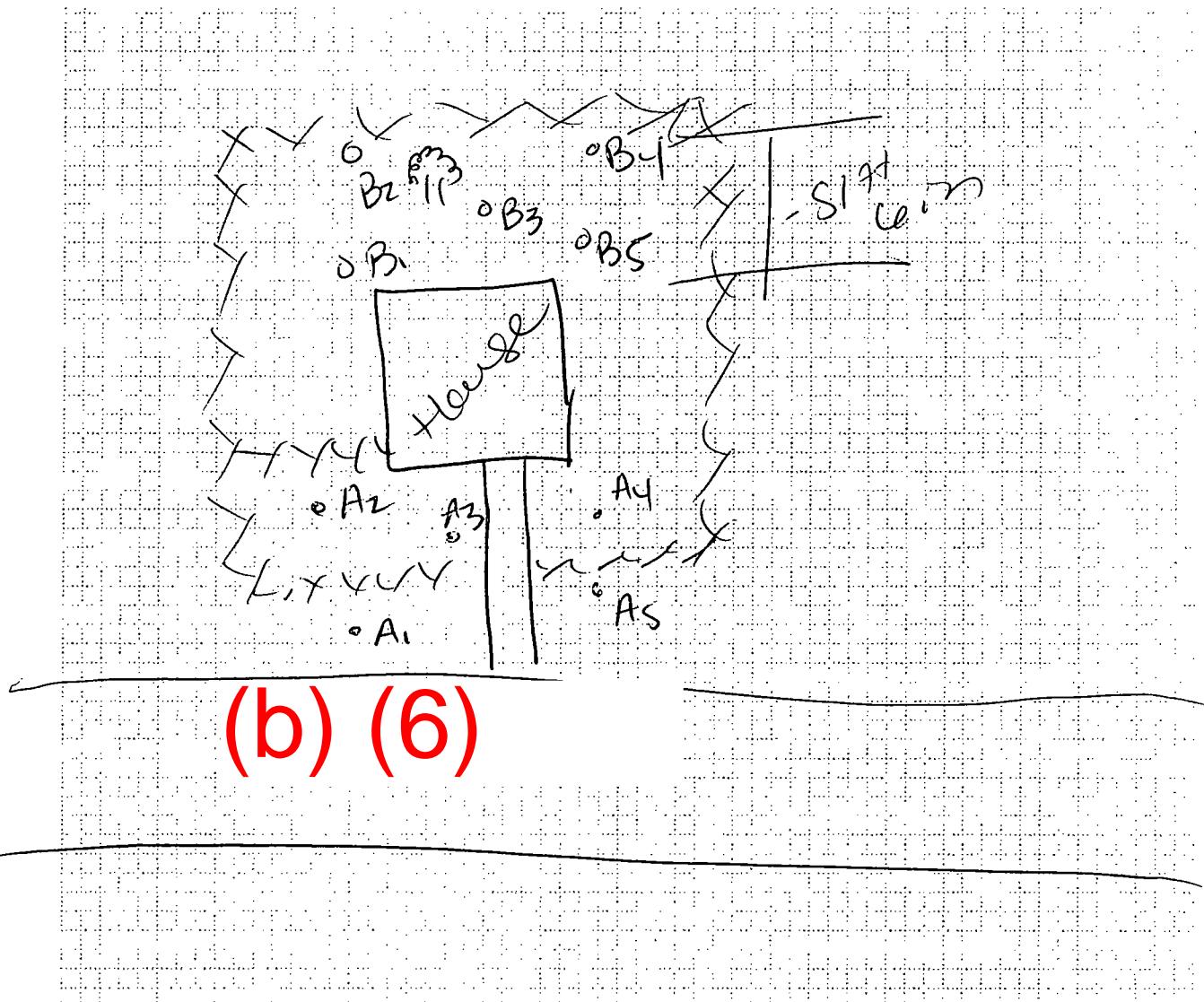
PROPERTY COMMENTS:

Resident+Home

(b) (6)

legal team

Grid for property sketch



STATION ID: CV0481A

SAMPLE ID: CV0481A-CS-SP

SAMPLE COLLECTION TIME: 1250

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0481A

GPS Coordinates: Trimble [] Instrument #: 018594 Logged? Y or N
Aliquot #1: Latitude: 33.55787000 N Longitude 86.80037468 W
Media description: Brun Silty Clay
Aliquot #2: Latitude: 33.55787000 N Longitude 86.80037468 W
Media description: DK Brun clay Silt
Aliquot #3: Latitude: 33.55783723 N Longitude 86.80040534 W
Media description: DK brun clay Silt
Aliquot #4: Latitude: 33.55782360 N Longitude 86.80036343 W
Media description: DK brun clay Silt
Aliquot #5: Latitude: 33.55781364 N Longitude 86.80044000 W
Media description: Brun Silty clay

STATION ID: CV0481B

SAMPLE ID: CV0481B-CS-SP

SAMPLE COLLECTION TIME: 1256

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0481B

GPS Coordinates: Trimble [] Instrument #: 018594 Logged? Y or N
Aliquot #1: Latitude: 33.55788258 N Longitude 86.80020255 W
Media description: DK brun Silt
Aliquot #2: Latitude: 33.55789682 N Longitude 86.80006820 W
Media description: DK brun Silt
Aliquot #3: Latitude: 33.55786498 N Longitude 86.80013868 W
Media description: DK brun Silt
Aliquot #4: Latitude: 33.55789287 N Longitude 86.80007410 W
Media description: reddish brun Silty clay
Aliquot #5: Latitude: 33.55782427 N Longitude 86.80019052 W
Media description: DK brun Silt

(b) (6)

ADDRESS

PROPERTY ID: CV0395

DATE: 1/31/13

ARRIVAL TIME: 1312

Other pertinent information (weather conditions, etc.):

50°F, sunny

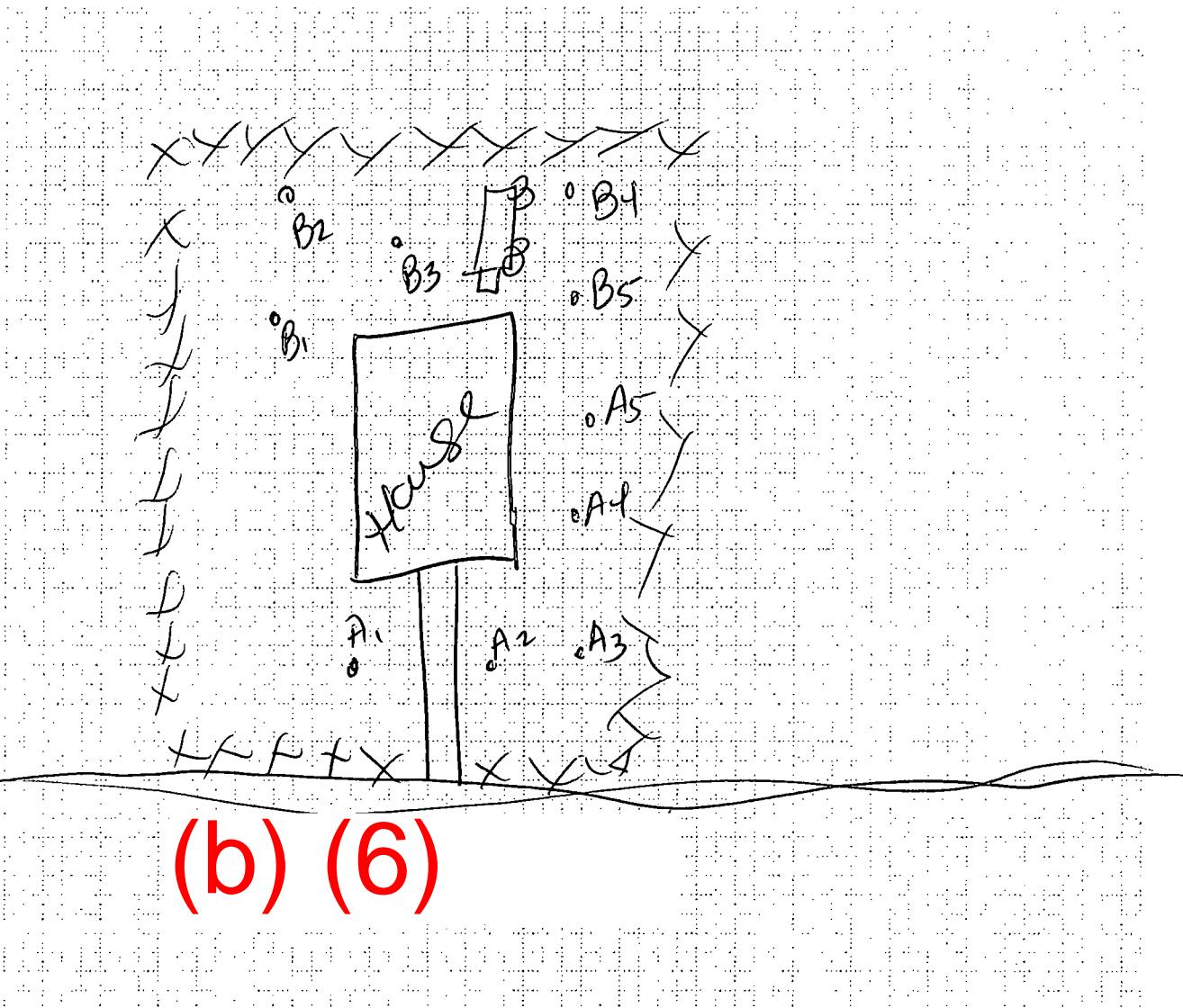
PROPERTY COMMENTS:

Resident home

w/ **(b) (6)**

legal team

Grid for property sketch



STATION ID: CV039SA

SAMPLE ID: CV039SA-CS-SP

SAMPLE COLLECTION TIME: 1324

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV039SA

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N
Aliquot #1: Latitude: 33.55735888 N Longitude: 86.79959100 W
Media description: DK brun clay silt
Aliquot #2: Latitude: 33.55741091 N Longitude: 86.79958157 W
Media description: DK brun clay silt
Aliquot #3: Latitude: 33.55749974 N Longitude: 86.79957482 W
Media description: DK brun clay silt
Aliquot #4: Latitude: 33.55750891 N Longitude: 86.79964814 W
Media description: DK brun clay silt
Aliquot #5: Latitude: 33.55751468 N Longitude: 86.79973092 W
Media description: DK brun clay silt

STATION ID: CV039SB

SAMPLE ID: CV039SB-CS-SP

SAMPLE COLLECTION TIME: 1327

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV039SB

GPS Coordinates: Trimble [✓] Instrument #: 018594 Logged? Y or N
Aliquot #1: Latitude: 33.55736262 N Longitude: 86.79982256 W
Media description: Brun silty clay
Aliquot #2: Latitude: 33.55736593 N Longitude: 86.79994053 W
Media description: DK brun silt
Aliquot #3: Latitude: 33.55741654 N Longitude: 86.79986384 W
Media description: DK brun Silt
Aliquot #4: Latitude: 33.55748926 N Longitude: 86.79993886 W
Media description: DK brun Silt
Aliquot #5: Latitude: 33.55750416 N Longitude: 86.79981313 W
Media description: Brun silty clay

ADDRESS: (b) (6)

DATE: 1/31/13

PROPERTY ID: CVOS74

ARRIVAL TIME:

Other pertinent information (weather conditions, etc.):

50° F, Sunny

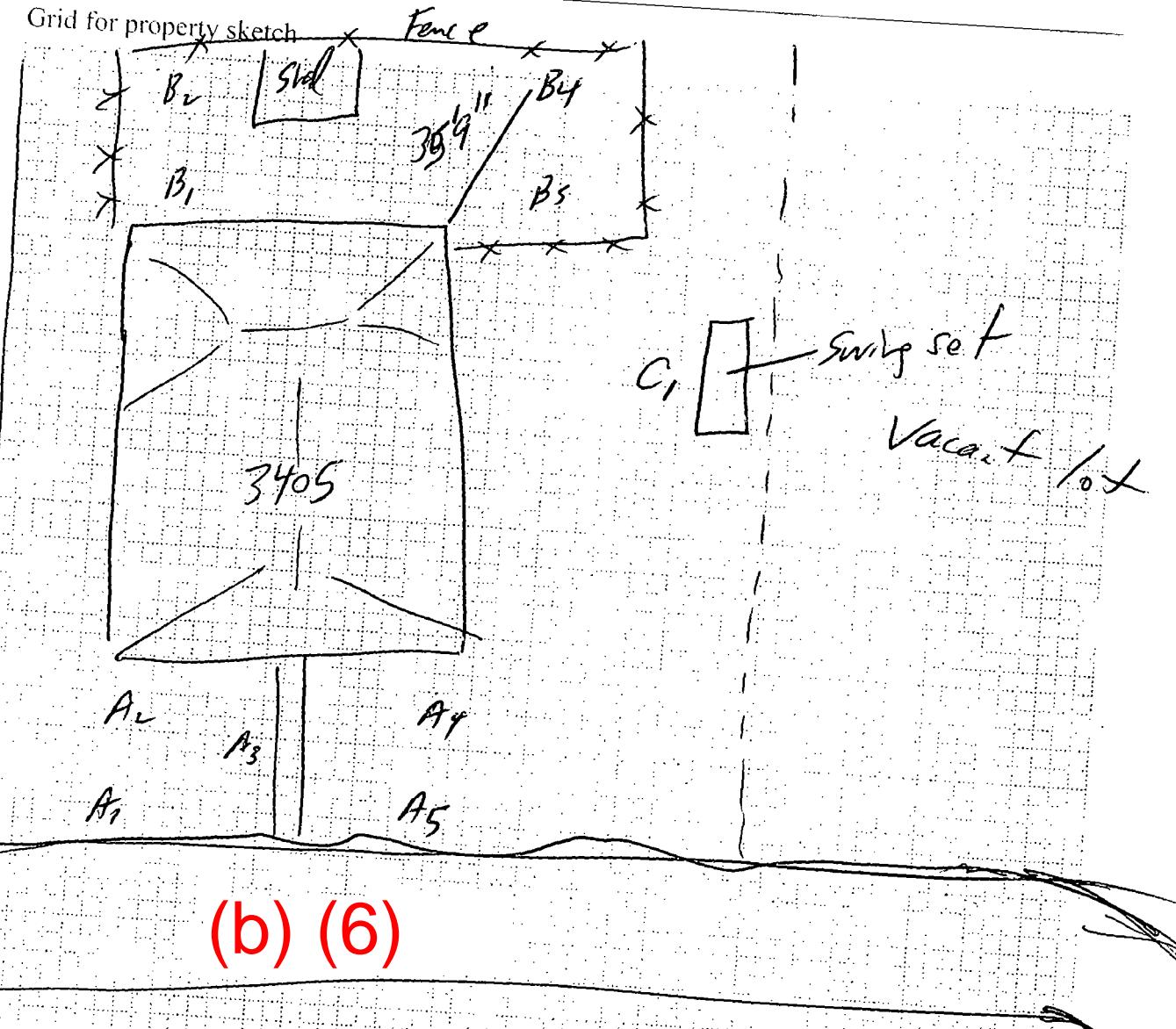
PROPERTY COMMENTS:

w/ (b) (6)

legal attorney team

Resident @ home.

Grid for property sketch



← PEACE BAPTIST CHURCH

STATION ID: CV0574A

SAMPLE ID: CV0574A-CS-SP

SAMPLE COLLECTION TIME: 1429

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0574A

GPS Coordinates: Trimble ✓ Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.55962006 N Longitude 86.79857560 W

Media description: dk brown clayey silt moist

Aliquot #2: Latitude: 33.55961978 N Longitude 86.79853564 W

Media description: same as above

Aliquot #3: Latitude: 33.55961721 N Longitude 86.79853108 W

Media description: same as above

Aliquot #4: Latitude: 33.55959107 N Longitude 86.79849909 W

Media description: same as above

Aliquot #5: Latitude: 33.55957189 N Longitude 86.79852614 W

Media description: same as above

STATION ID: CV0574B

SAMPLE ID: CV0574B-CS-SP

SAMPLE COLLECTION TIME: 1432

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0574B

GPS Coordinates: Trimble ✓ Instrument #: 018594 Logged? Y or N

Aliquot #1: Latitude: 33.55977479 N Longitude 86.79840792 W

Media description: blk silt moist

Aliquot #2: Latitude: 33.55981545 N Longitude 86.79836613 W

Media description: same as above

Aliquot #3: Latitude: 33.55975111 N Longitude 86.79835316 W

Media description: same as above of sm coal fragments

Aliquot #4: Latitude: 33.55975738 N Longitude 86.79827745 W

Media description: blk silt moist

Aliquot #5: Latitude: 33.55973345 N Longitude 86.79830228 W

Media description: blk silt moist

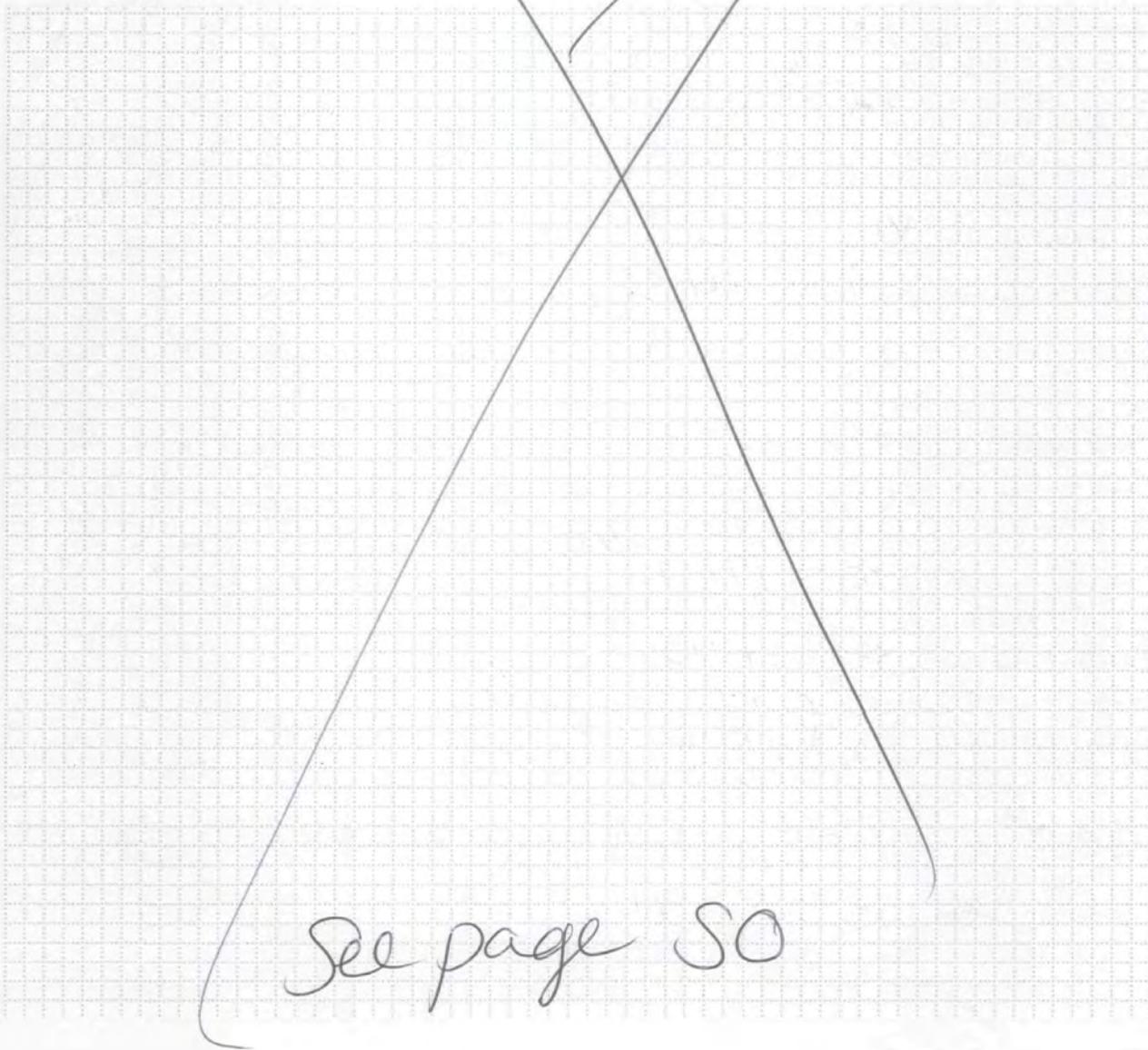
ADDRESS: See previous PROPERTY ID: _____

DATE: _____ ARRIVAL TIME: _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch



STATION ID:

CV0574C-

SAMPLE ID:

CV0574C-GS-SP

SAMPLE COLLECTION TIME: 1442

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or GrabMS/MSD? Y or NField Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: CV0574C

GPS Coordinates: Trimble []	Instrument #:	Logged? Y or N
Aliquot #1: Latitude:	33.55944969	N Longitude 86.79831182 W
Media description:	blk silt wet	
Aliquot #2 Latitude:	N Longitude	W
Media description:		
Aliquot #3: Latitude:	N Longitude	W
Media description:		
Aliquot #4: Latitude:	N Longitude	W
Media description:		
Aliquot #5: Latitude:	N Longitude	W
Media description:		

STATION ID: _____ SAMPLE ID: _____

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: _____

GPS Coordinates: Trimble []	Instrument #:	Logged? Y or N
Aliquot #1: Latitude:	N Longitude	W
Media description:		
Aliquot #2 Latitude:	N Longitude	W
Media description:		
Aliquot #3: Latitude:	N Longitude	W
Media description:		
Aliquot #4: Latitude:	N Longitude	W
Media description:		
Aliquot #5: Latitude:	N Longitude	W
Media description:		

(b) (6)

ADDRESS:

DATE: 1/31/13

PROPERTY ID: FMG312

ARRIVAL TIME: 1513

Other pertinent information (weather conditions, etc.):

53°F, Sunny

PROPERTY COMMENTS:

Resident Home

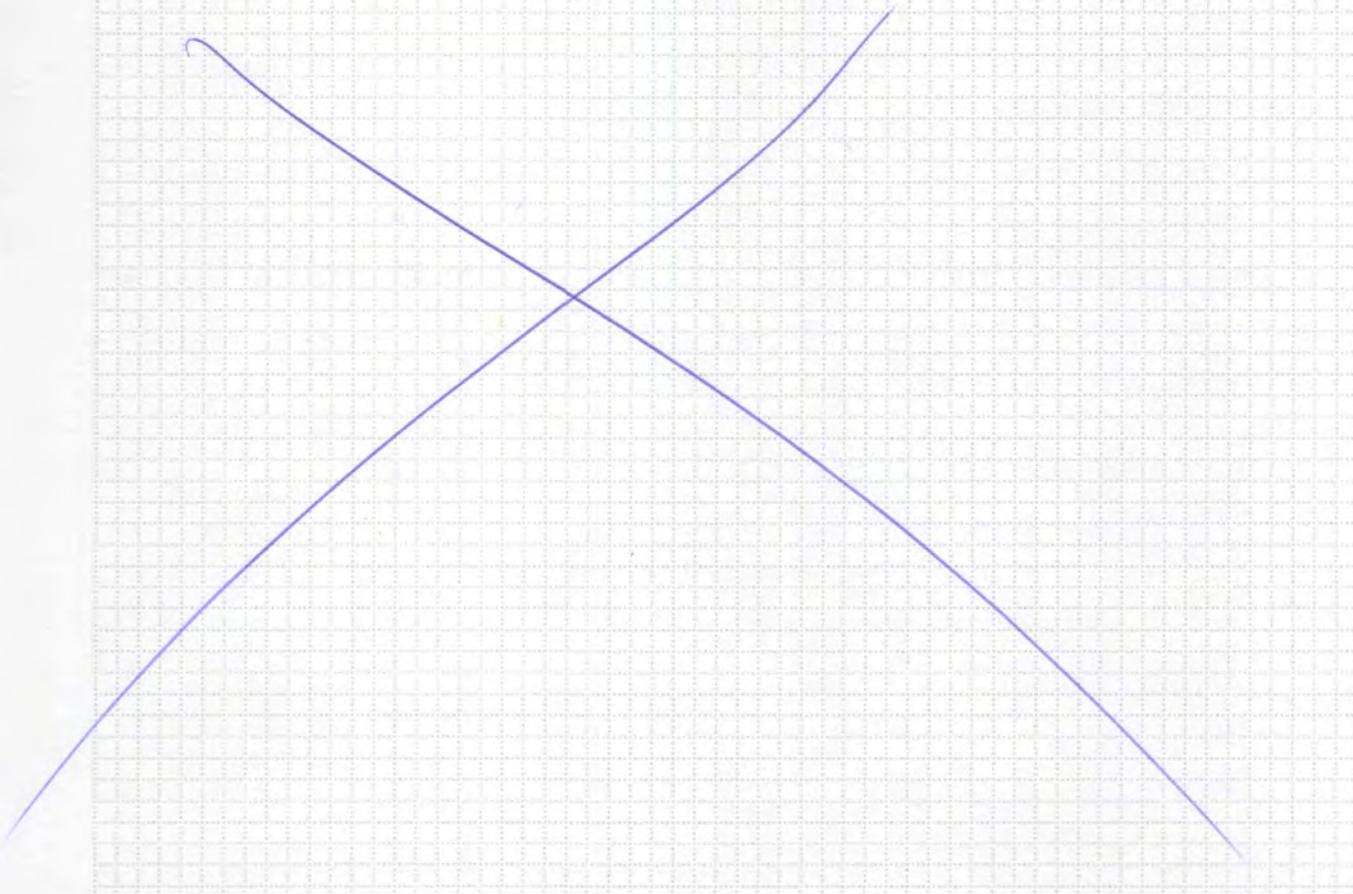
w/ (b) (6) legal team

Property determined by D. Fraley to

Grid for property sketch

be outside of study area.

Adm



STATION ID: FM0312A

SAMPLE ID: SL

FM0312A-CS-SP

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc): C

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: FM0312A

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #:	<u>018594</u>	Logged? <u>Y</u> or <u>N</u>
Aliquot #1: Latitude:	N Longitude _____ W		
Media description:			
Aliquot #2: Latitude:	N Longitude _____ W		
Media description:			
Aliquot #3: Latitude:	N Longitude _____ W		
Media description:			
Aliquot #4: Latitude:	N Longitude _____ W		
Media description:			
Aliquot #5: Latitude:	N Longitude _____ W		
Media description:			

STATION ID: FM0312B

SAMPLE ID: SL

FM0312B-CS-SP

SAMPLE COLLECTION TIME: _____

Description of sample location (front, back, side yard; vegetable garden; play set; ditch, etc):

Collection: Composite or Grab

MS/MSD? Y or N

Field Duplicate or Split: Yes or No If yes, indicate Duplicate/split sample station ID: FM0312B

GPS Coordinates: Trimble <input checked="" type="checkbox"/>	Instrument #:	<u>018594</u>	Logged? <u>Y</u> or <u>N</u>
Aliquot #1: Latitude:	N Longitude _____ W		
Media description:			
Aliquot #2: Latitude:	N Longitude _____ W		
Media description:			
Aliquot #3: Latitude:	N Longitude _____ W		
Media description:			
Aliquot #4: Latitude:	N Longitude _____ W		
Media description:			
Aliquot #5: Latitude:	N Longitude _____ W		
Media description:			

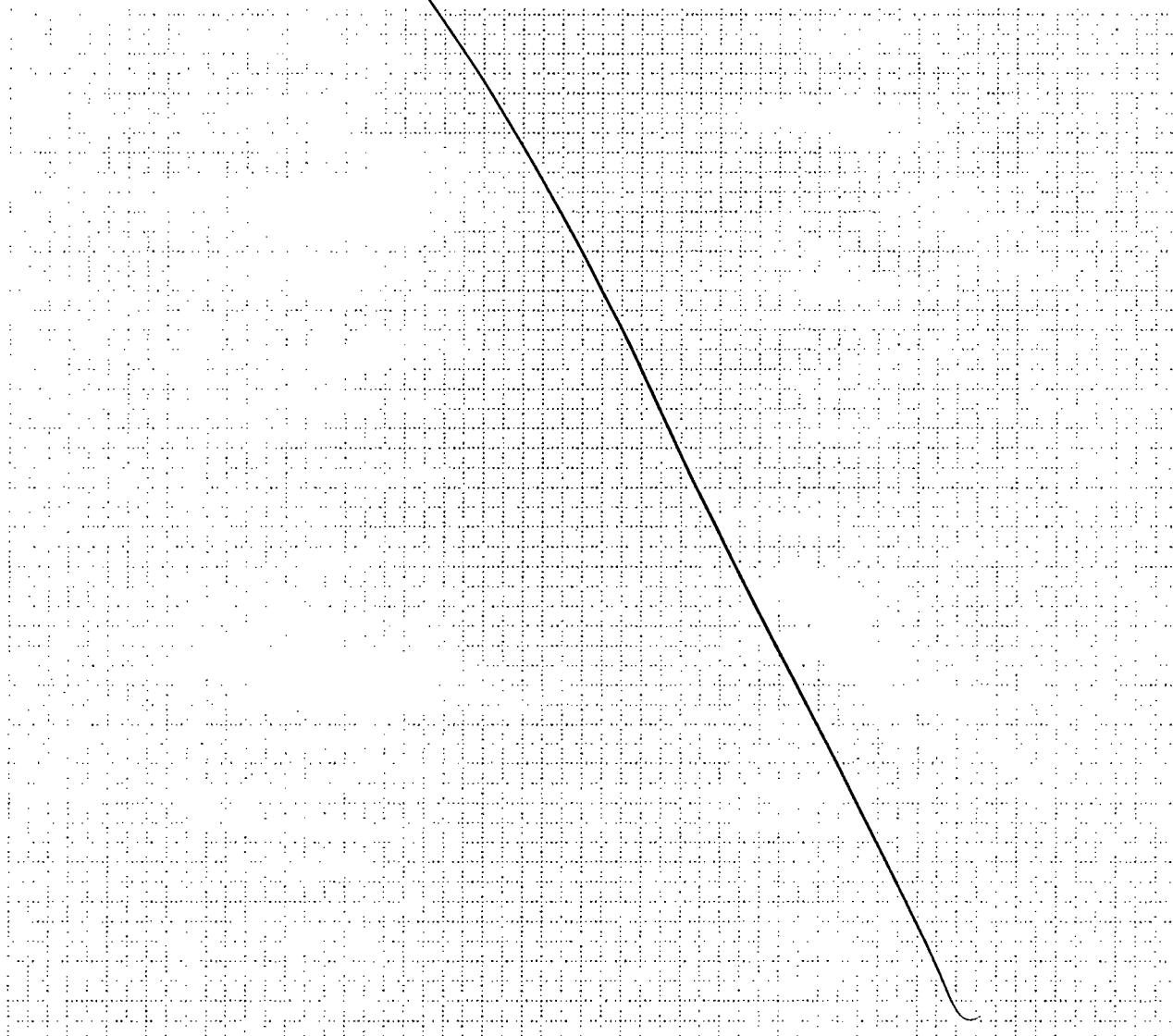
Nothing follows

ADDRESS: _____ **PROPERTY ID:** _____

DATE: _____ **ARRIVAL TIME:** _____

Other pertinent information (weather conditions, etc.):

PROPERTY COMMENTS:

Grid for property sketch


The remaining pages in this logbook are
blank and have not been scanned.